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# R. B. DUNNING & CO.

*Centennial Anniversary*  
1835 *Catalog* 1935  
One Hundred Years Service



Farm, Garden and Lawn Seeds

POULTRY, DAIRY and BUILDING  
SUPPLIES

PAINTS      VARNISHES      BRUSHES

PUMPS—PUMPING OUTFITS

Nos. 54-58-62-64-68  
BROAD STREET

Bangor, Me.

1835

1935

# R. B. Dunning & Co.

BANGOR, MAINE

*Takes Pleasure in Presenting to You Our*

## *Centennial Anniversary Catalog*

**FOR ONE HUNDRED YEARS** the R. B. Dunning Company has served the people of Eastern and Northern Maine—striving to give its friends and patrons the best merchandise obtainable.

**FOR ONE HUNDRED YEARS** our very existence has been made possible by the continued patronage of the people of this Great Northeastern Empire who appreciate the quality of our merchandise and the service we aim to render.

The past one hundred years of growth enjoyed by our company is proof to us that our efforts are gaining the good will we seek.

It is our firm desire to extend this good will by continuing the company's policy—originated by its Founders.

R. B. DUNNING & CO.

*NOTICE—We offer our seeds with the full assurance that they are true and reliable, quality being always our first consideration, but at the same time we wish it particularly understood that we do not warrant them, either expressed or implied, for the ultimate success of a crop is dependent on so many contingencies that we cannot hold ourselves liable or responsible for failure. If the purchaser does not accept the seeds on these conditions, they must be returned at once.*

R. B. DUNNING & CO.

*All Prices Quoted in This Catalog Are Subject to Change Without Notice*

# MAKE OUR STORE, 54 to 68 Broad St.

your headquarters when in Bangor. Our 110 foot front usually affords ample parking space, and free all-day parking can be easily obtained three minutes walk from our store.

## BUSINESS INSTRUCTIONS

In ordering goods please give your Name, Post Office and State in full, being particular to write *your Name, Post Office and Shipping Destination very distinctly.*

*Remittances* can be made by Post Office Money Orders, Bank Drafts, Express Orders or cash sent in Registered Letter.

*Orders from unknown correspondents* must be accompanied by a remittance or a *satisfactory reference*, Bangor references preferred on account of saving of time.

When ordering seeds in bulk by Parcel Post, postage must be added as per parcel post rates, see below. Seeds by packet and ounce will be mailed without extra charge.

In sending money for Postage on goods to be sent by Parcel Post, in case more money is sent than required, the balance will be returned either in stamps or our check owing to the amount to be returned.

In shipping we make no charge for delivery to railroads, steamers or express companies.

*We guarantee* safe delivery to the Railroads, Express Companies and Post Office. Our responsibility ceases on delivery of goods to the above carriers.

When ordering goods please state if you want them sent by Parcel Post, Express or Freight.

Liberal reductions will be made to persons selecting *packet seeds* from our Catalogue at the prices named, and will be forwarded, postage free, to any part of the United States.

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## OUR 100th ANNIVERSARY REDUCTION

Those remitting	\$1.50	may select seeds in packets and ounces amounting to	\$1.80
"	"	2.50	" " " " " " " " " " " " 3.00
"	"	3.50	" " " " " " " " " " " " 4.50
"	"	4.50	" " " " " " " " " " " " 6.00
"	"	5.50	" " " " " " " " " " " " 7.50

This reduction is for SEEDS in PACKETS AND OUNCES ONLY. Seeds when ordered in larger packages than the above, such as  $\frac{1}{4}$  pounds, pounds, bulbs, plants or other goods shown in catalogue, will not be included.

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## General Information Concerning the Parcel Post

*SEEDS, IMPLEMENTS, and MERCHANDISE* come under *FOURTH CLASS MATTER* and all take the same rates of Postage when sent by *PARCEL POST*.

### FOURTH CLASS—PARCEL POST

Limit of weight for all zones, 70 pounds.

Zone	First Pound	Additional Pound or Fraction
1 Up to 50 miles.....	.08	.011
2 Up to 150 miles.....	.08	.011
3 150 to 300 miles.....	.09	.02
4 300 to 600 miles.....	.10	.035
5 600 to 1000 miles.....	.11	.053
6 1000 to 1400 miles.....	.12	.07
7 1400 to 1800 miles.....	.14	.09
8 Over 1800 miles.....	.15	.11

### RESTRICTIONS

Size limit, 100 inches in length and girth combined. Eight ounces or less.  $1\frac{1}{2}$  cents for each 2 ounces, over 8 ounces considered one pound. Fractional pounds considered pounds.

Weight limit, all zones, 70 pounds.

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## SELECTED NORTHERN GROWN VEGETABLE SEEDS

**ORDER EARLY:**—Early buying is very much to the advantage of both the customer and the dealer. We would recommend sending in your order as soon as possible after receiving the catalogue, and thus avoid the rush of the planting season. Orders can be handled easier and much better than later. The customer gets his goods in much better condition, without delay, and consequently has them when they are needed.

Seeds sent by Mail, Express or Freight as the purchaser may wish. Seeds in packets and ounces mailed without extra charge for postage. When ordering by mail, add postage for beans, corn and peas. See Parcel Post rates on page 1.

## Special to Market Gardeners

To market gardeners and users of seed in large quantities we quote special prices. When asking quotations please state the amount of seed which will be needed.

### ASPARAGUS

**Culture:**—Asparagus seed may be sown directly in the permanent bed and the plants thinned as they grow; or it may be sown elsewhere, and the seedlings transplanted the second year. An ounce of seed will sow 60 feet of drill, and produce about 300 plants. Fair crops may be expected the third year

**CONOVER'S COLOSSAL.** Widely cultivated; very large, deep green; tender stalks of good flavor; the roots are vigorous and productive. Pkt., 5c; Oz., 25c; ¼ lb., 75c.  
For price on Asparagus Roots, see Vegetable Plants.



*Burpee's Stringless Green Pod*

### BEANS—BUSH Green Podded

**Culture.** Plant in light, warm soil in the spring when danger from frost is past, in drills from 2 to 3 feet apart, covering about 2 inches deep. Sow every two weeks for succession. Cultivate frequently until they blossom, but only when dry.

*Two pounds will plant 100 feet of drill.*

**BURPEE'S STRINGLESS GREEN POD.** Absolutely stringless, vigorous and productive. Round pod, large, meaty and very tender. ½ lb., 15c; 1 lb., 25c; 2 lbs. 45c; 15 lbs., \$2.75.

**DWARF HORTICULTURAL.** Pods are of medium length, slightly curved, and when nearly developed are freely splashed with bright red on the yellow skin. The green shell beans are of good size, tender, and of fine flavor. ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 15 lbs., \$2.75.

**BOUNTIFUL.** One of the most popular garden beans. Extra early and prolific, flat green pods, 6-7 inches long, very tender. ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 15 lbs., \$2.75.

**LOW'S CHAMPION, or DWARF RED CRANBERRY.** Valuable as a "Snap" Bean or for shelling, either for home or the market. Large, long pods, flat and attractive. Quality good. Dry beans bright red. ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 15 lbs., \$2.75.

**GIANT STRINGLESS GREEN POD.** The finest green pod sort you can grow. Extremely early, absolutely stringless and of superior quality. Enormously productive. Pods round, straight and fleshy. Dry beans brown. ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 15 lbs., \$2.75.

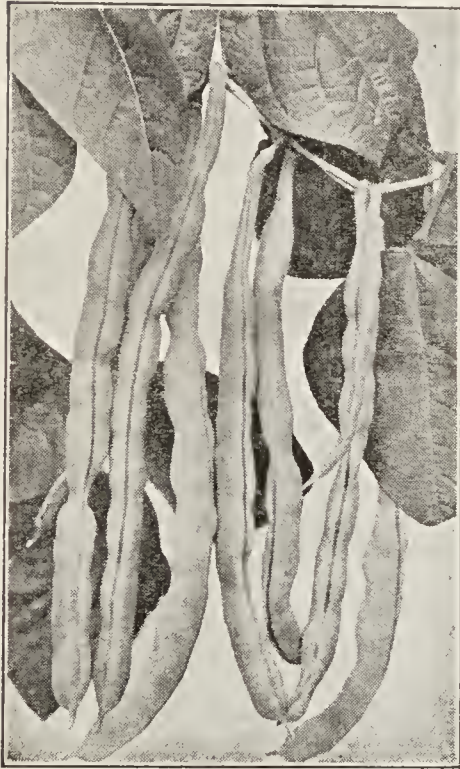
### Inoculate Beans



## FIELD BEANS

- YELLOW EYE.** An excellent field bean, very productive and popular for baking.
- RED KIDNEY.** An easily raised bean and a heavy yielder. Also greatly prized for baking.
- PEA BEAN.** Native grown. Preferred by those liking the small beans for baking.
- WHITE KIDNEY BEAN.** Good yielder. Almost free from rust. One of the best baking beans.
- SULPHUR BEANS.** Golden yellow, early and of fine quality.
- SOLDIER BEAN.** Similar in shape to the white kidney, but much larger, with brown markings. Heavy cropper and rust resisting.
- IMPERIAL YELLOW EYE BEAN or DOT EYE.** Very productive. Preferred by some to the old fashioned yellow eye as a baking bean.

*Prices on above on application.*



*Kentucky Wonder Beans*

## BEANS—BUSH

## Wax Podded

- CURRIE'S RUST PROOF.** Pods long, flat and straight. Very productive and rust-proof.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 15 lbs., \$2.75.
- BLACK WAX, PENCIL POD.** Pods are long and pencil like, tender, brittle, and stringless. Rich dark yellow in color, hardy and productive.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 15 lbs., \$2.75.
- IMPROVED GOLDEN WAX.** An early, hardy variety; flat, golden-yellow pods. Stringless.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 15 lbs., \$2.75.
- DAVIS KIDNEY WAX.** An early, large, flat, straight podded, stringless bean. The waxy white pods are crisp, tender and sweet.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 15 lbs., \$2.75.
- BRITTLE WAX.** An early and very productive variety. Pods are entirely stringless and of fine quality. Practically free from blight and rust.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 15 lbs., \$2.75.

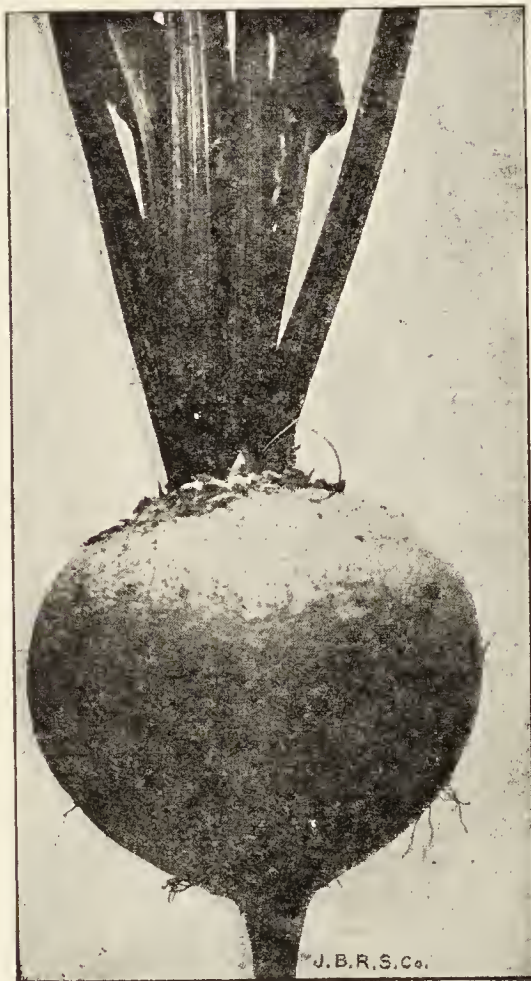
## BEANS—POLE

*Two pounds will plant 150 hills*

- HORTICULTURAL or SPECKLED CRANBERRY.** An old favorite, early and prolific; excellent quality either as a snap or shell bean or for cooking dry. Pkts., 10c;  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c.
- KENTUCKY WONDER or OLD HOMESTEAD.** An excellent green podded variety; enormously productive, the long pods hanging down in great clusters along the entire vine; entirely stringless. Pkts., 10c;  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c.
- KENTUCKY WONDER WAX.** The best pole wax bean; it is similar in habit of growth to "Kentucky Wonder Green Pod." Pkts., 10c;  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c.
- LAZY WIFE.** Beans white; pods green, very thick, meaty, entirely stringless; very productive. Pkts., 10c;  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c.
- SCARLET RUNNER.** Very ornamental, free climber with bright scarlet flowers. Pkts., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 35c.
- WHITE DUTCH RUNNERS.** Large, white flowers; often planted with the scarlet variety; the effect is very beautiful. Pkts., 10c;  $\frac{1}{2}$  lb., 20c; 1 lb., 35c.

*Prices for beans in larger quantities quoted on application.*

**All prices quoted in this catalogue subject to change without notice.**



*Detroit Dark Red Beet*

## BEETS

*One ounce to fifty feet of drill, six pounds to the acre.*

The best results are obtained on a deep, rich, sandy loam. For early use sow as soon as the ground will admit, in drills fourteen inches apart, and thin to four inches. For the main crop sow the first week in May, and for winter use as late as June. The soil should be deeply manured and well cultivated. In lifting and storing the roots care must be taken that they are not bruised.

**EARLY WONDER.** A fine early variety, the market gardener's favorite on account of its symmetrical form, dark color, small top and early maturity. Pkts., 5c; 1 Oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.00.

**DETROIT DARK RED.** The best beet for the market and home garden. Tops small, upright in growth. Root medium sized, globular or nearly round, very smooth, and of dark blood red color. Very desirable for bunching. Uniform in growth and unsurpassed in quality. Pkts., 5c; 1 Oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.00.

**CROSBY'S EGYPTIAN.** The roots are flattened, globe shaped and very smooth. Exterior color of root bright red. The flesh is bright vermilion red, zoned with a lighter shade, very sweet and tender. Pkts., 5c; 1 Oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.00.

**CRIMSON GLOBE.** Skin smooth and regular. Flesh a deep purplish crimson. Pkts., 5c; 1 Oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.00.

**DEWING'S BLOOD TURNIP.** Of fine form and flavor; blood red, medium early and a good keeper; a desirable variety. Pkts., 5c; 1 Oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.00.

**EDMAND'S EARLY.** A large sort for general crop. In quality one of the finest; exceedingly dark, shape globular, having one tap root. Pkts., 5c; 1 Oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.00.

## SWISS CHARD (grown for the leaves only)

**LUCULLUS.** A new moss curled sort, with very large leaves, and broad midribs. Very popular. Pkts., 5c; 1 Oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.00.

## MANGEL WURZELS

*Splendid for cattle and poultry*

Treat same as Table Beets, except the rows should be 24 to 36 inches apart. Sow 6 to 8 lbs. of seed per acre any time up to June 15th.

**DANISH SLUDSTRUP.** A reddish yellow variety that is considered very desirable because of its large percentage of nutriment. Of a distinct type, long, growing well above the ground and very hardy. Oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 70c.

**MAMMOTH LONG RED.** The dark red roots are of enormous size with exceedingly small tops. They grow from one-half to two-thirds out of the ground. No other variety will produce as large a tonnage per acre. Oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 70c; 5 lbs., \$2.75.

All prices quoted in this catalogue subject to change without notice.



**GOLDEN TANKARD.** Recommended for dairymen on account of its milk-producing properties. The flesh is a rich golden yellow. Oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 70c; 5 lbs., \$2.75.

**GIANT FEEDING SUGAR BEET OR HALF SUGAR MANGEL.** A strain of beet very desirable for stock feeding, affording not only a very large crop much easier to harvest than other sorts, but also having a higher nutritive value, being especially rich in sugar. Roots light bronze green above ground, grayish white below with white flesh. Oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 70c; 5 lbs., \$2.75.

## BRUSSELS SPROUTS

*One ounce will produce 2000 plants.*

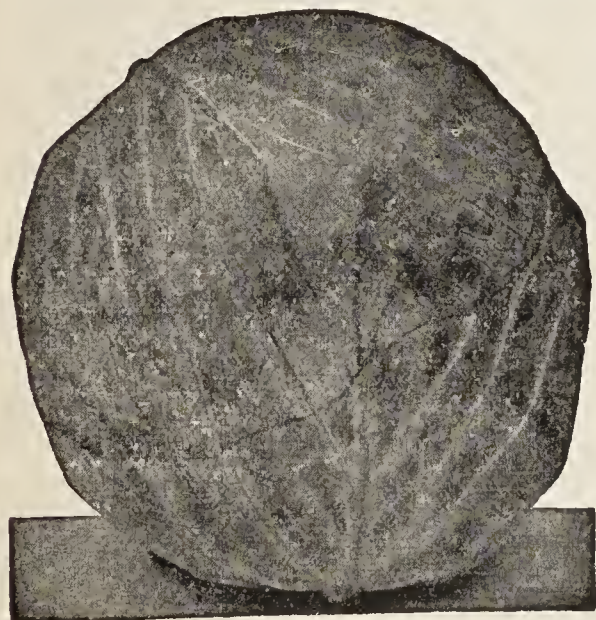
Cultivated for the small heads that grow from the main stem; these small heads are firm and compact like little cabbages, and are considered a great delicacy by many people. Cultivate the same as cabbage or cauliflower.

**HALF DWARF PARIS MARKET.** A most excellent variety and sure cropper. Tender and of fine flavor. Pkts., 5c; Oz., 40c.

## CABBAGE

*One ounce will produce about 3000 plants; four or five ounces per acre.*

The Cabbage is one of the most important vegetables, and some of its varieties universally cultivated. The ground must be highly manured, deeply dug or plowed, and thoroughly worked, to insure good, full-sized heads; a heavy, moist and fresh loam is the most suitable. The early sorts should be sown very early in the spring, in hotbeds, or later in the open ground. Eighteen inches by three feet apart is the common distance.



*Copenhagen Market Cabbage*

**EARLY JERSEY WAKEFIELD.** A standard early variety for home use or market. Heads somewhat pointed. Pkts., 5c; 1 Oz., 25c;  $\frac{1}{4}$  lb., 75c.

**GLORY OF EUKHIEZEN.** An excellent, medium early, short-stemmed foreign variety; heads round with very few outer leaves. For so early a variety the heads are extra large and very solid, also a good keeper. One of the most uniform and desirable varieties. Pkts., 5c; 1 Oz., 30c;  $\frac{1}{4}$  lb., 80c.

**COPENHAGEN MARKET.** One of the best large, round head, early cabbages in cultivation, the type being thoroughly fixed and nearly all the heads maturing at the same time. The plant is short-stemmed; heads, set near the ground, are very solid, with a small core, and of fine quality. One of the very best early cabbages for market gardeners. Pkts., 5c; 1 Oz., 30c;  $\frac{1}{4}$  lb., 90c.

**GOLDEN ACRE.** This remarkable Cabbage has already proved itself to be a most profitable extra early for the market. It is two weeks ahead of any other round-headed sort. Being of small, compact habit, it allows of close planting, yet the heads are so uniformly large as to be in great demand. Pkts., 5c; Oz., 35c;  $\frac{1}{4}$  lb., \$1.20.

**FOTTLER'S IMPROVED BRUNSWICK.** An excellent medium early drumhead variety. Pkts., 5c; Oz., 25c;  $\frac{1}{4}$  lb., 75c.

**SURE HEAD.** Produces large, round, flattened heads of the Flat Dutch type, and is remarkable for its certainty to head. It is all head and sure to head even under unfavorable conditions. The heads are remarkably uniform, very hard, firm and fine in texture, and ordinarily weigh from 10 to 15 pounds each. Has but few leaves, keeps well. A good shipper, and just the variety to suit market gardeners and farmers. Pkts., 5c; Oz., 25c;  $\frac{1}{4}$  lb., 75c.

All prices quoted in this catalogue subject to change without notice.

**MAMMOTH ROCK RED.** Heads are large, round, very solid and deep red in color. Pkts., 5c; Oz., 35c;  $\frac{1}{4}$  lb., \$1.00.

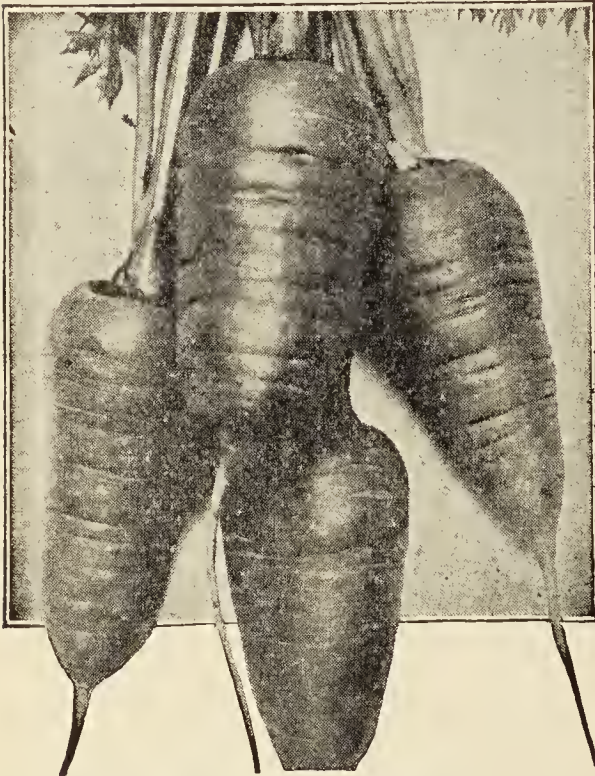
**DANISH BALL HEAD.** Short stemmed. An extremely hardy imported cabbage, one of the best winter sorts. It is a very sure header, very solid and heavy, an extra good keeper. Pkts., 5c; Oz., 30c;  $\frac{1}{4}$  lb., 90c.

**DANISH BALL HEAD.** Cape Elizabeth, Maine, grown. A valuable, round, solid, winter variety. It is of excellent quality and a long keeper, keeping long after other varieties have gone. Very profitable for shipping. Pkts., 5c;  $\frac{1}{2}$  Oz., 35c; Oz., 60c;  $\frac{1}{4}$  lb., \$2.00.

## CARROTS

*One ounce to 100 feet of drill; 3 to 4 pounds to the acre.*

Carrots require a finely pulverized soil to grow them to perfection. A good, light, and well enriched sandy loam is the best for this crop. For field culture, sow in drills three to three and one-half feet apart so as to cultivate by horse. Market gardeners sow in drills about eighteen inches apart, and cultivate by hand. For early crops cover one-half an inch deep, and thin to four inches apart, in the rows; for late, cover three-fourths of an inch deep, and thin to four inches.



*Danvers Half Long Carrot*

**(NEW) CHANTENAY RED CORED.** An improved Chantenay, valuable for market gardeners and shipping. Roots similar to Chantenay with reddish orange flesh and an indistinct core of nearly the same color as the flesh; tender and sweet. Pkts., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**DANVERS HALF LONG.** In form it is midway between the Long Orange and Ox Heart. The root is of a dark orange color and grows very smooth. Very productive. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.65.

**LONG ORANGE.** Large roots, heavy cropper and excellent keeper. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**NEW OX HEART.** A very early and heavy yielder. Thick and short in form, bright orange in color. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**LONG WHITE BELGIAN.** Large, long rooted variety; valuable for feeding stock. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

## CAULIFLOWER

Any soil that will grow cabbages will grow cauliflower, as their requirements are almost similar, but as the product is more valuable, extra manuring and preparation of the soil will be well repaid. The seeds may be sown in the hotbed in March or April, and transplanted to open ground about the first of May.

*One ounce will produce about 2,500 plants.*

Cauliflower Plants ready about May 15.

**HENDERSON'S EARLY SNOWBALL.** One of the best early sorts. Very reliable and grown largely for the market. Pkt., 5c; Oz., \$2.00.

All prices quoted in this catalogue subject to change without notice.

## CELERY

*One ounce of seed produces about 4000 plants.*

To have celery early it should be sown in a hotbed quite early in the spring, and when three inches high plant out in a well-prepared bed, which must be covered in frosty weather. For the principal crop, sow early in the spring, very shallow in the seedbed, and when the plants are about six inches high transplant them about six inches apart into trenches, for blanching. Dig the trenches four feet apart, a foot wide and ten inches deep. Fill in five or six inches of well-rotted manure and mix thoroughly, half a spade deep, with the earth at the bottom. The tops of the plants should be shortened before they are set. Earth up



*Golden Self-Bleaching Celery*

to blanch, three or four times during their growth, taking care that no earth falls in the center of the plants.

**BOSTON MARKET.** A favorite variety, remarkable for its tender, crisp, succulent stems; keeps well. Pkt., 5c; ½ Oz., 30c; Oz., 50c.

**HENDERSON'S WHITE PLUME.** Crisp, solid and possessing a sweet, nutty flavor; requires very little labor in bleaching. Pkt., 5c; ½ Oz., 30c; Oz., 50c.

**PARIS GOLDEN SELF-BLEACHING.** A self-bleaching early golden colored variety that is very popular. Pkt., 5c; ½ Oz., 40c; Oz., 75c.

**GOLDEN PLUME or WONDERFUL.** This new variety of celery, rightly named Wonderful, is of the Paris Golden family, but two or three times its size, very fine quality, and very free from the stringy habit of the Old Golden. Pkt., 5c; ½ Oz., 40c; Oz., 75c.

## CORN—Sweet

*One pound to 125 hills, 18 pounds to an acre.*

The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before the middle of May and for a succession continue planting every two weeks, until July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch and thin out to three plants to a hill, or plant in rows four feet apart, and to stand eight inches apart in rows. The field varieties should be planted four feet apart each way, leaving three plants to a hill.

*When ordering Corn sent by mail add postage as shown on page 1.*



*Golden Bantam Sweet Corn*

**AROOSTOOK EARLY.** This is a very early variety of sweet corn that originated in Aroostook County, Maine, after many years of careful growth and selection. Stalks from 3½ to 4½ feet high, owing to the condition of the soil, with small white ears from five to six inches long, is of excellent quality. Pkt., 10c; 1 lb., 30c; 2 lbs., 55c; 12½ lbs., \$3.00.

**GOLDEN BANTAM SWEET CORN.** This corn has a medium-sized ear of a bright golden color. It is extremely sweet, of delicious flavor and unusually tender. Stalks grow about five feet, are very vigorous, bearing two to three well-filled ears. It matures earlier than Early Crosby. Pkt., 10c; 1 lb., 30c; 2 lbs., 55c; 12½ lbs., \$3.00.

**GOLDEN SUNSHINE.** Matures ten days ahead of Golden Bantam. The ears are about 6 inches long, with 12 rows of large, sweet kernels. Invaluable for extra-early use. Pkt., 10c; 1 lb., 30c; 2 lbs., 55c; 12½ lbs., \$3.00.

**WHITE CORY.** A very early dwarf variety, an excellent sort, sweet and good flavor. Pkt., 10c; 1 lb., 30c; 2 lbs., 50c; 12½ lbs., \$2.50.

**EARLY CROSBY.** Not so early as the Cory or Aroostook Early, of very rich, sugary flavor. Pkt., 10c; 1 lb., 30c; 2 lbs., 50c; 12½ lbs., \$2.50.

**(NEW) GOLDEN GEM OR NUGGET.** A new variety introduced by the North Dakota Experiment Station. One of the earliest yellow variety; very dwarf with a rather small ear. Stalks frequently bear two, eight-rowed ears with deep, yellow exceptionally sweet kernels. Pkt., 10c; 1 lb., 35c; 2 lbs., 60c; 12½ lbs., \$3.25.

**BLACK MEXICAN.** Grain bluish black, but is especially rich in sugar qualities. Pkt., 10c; 1 lb., 30c; 2 lbs., 55c; 12½ lbs., \$3.00.

## CORN—Field and Ensilage

*Field or Flint Corn, if ordered sent by Parcel Post extra money should be remitted to pay postage. See General Information concerning Parcel Post on page 1.*

**EXTRA EARLY YELLOW CANADA.** This corn is Maine grown and is the earliest yellow variety we know. It matures in about eighty-five days and the ears are long with small cob filled to the tip with large kernels. We recommend this corn highly for Grain or Ensilage.

All prices quoted in this catalogue subject to change without notice.

**SWEEPSTAKES PEDIGREE SEED CORN.** There is only one brand of *Sweepstakes Pedigree Seed Corn*, which is grown and put up under the most careful inspection and supervision at all times. This corn grows from 12 to 15 feet, producing maximum tonnage and food value. It has quality and is dependable. *Write for prices.*

**EARLY WHITE SANFORD.** A white flint variety, very valuable for ensilage and fodder, the stalks being very large and numerous. Particularly adapted to this climate as it ears well and if planted early, will come to maturity. *Write for prices.*

**IMPROVED LEAMING.** An early, yellow dent variety. Very productive. One of the best for ensilage or green fodder. *Write for prices.*

**SWEET FODDER.** For cutting green and feeding to stock this variety excels all others in tenderness, sweetness and nutriment. *Write for prices.*

## DUNCO CROW REPELLANT

Corn crop insurance against crows. Repels crows, keeps seed from rotting. One pint treats two bushels of corn. Pint can, 35c, postpaid 45c; Quart can, 60c, postpaid 75c.

## CRESS OR PEPPER GRASS

*One ounce will sow 100 feet of drill.*

A well known salad. Requires to be sown thickly and covered very slightly. Sow at frequent intervals to keep up a succession, as it soon runs to seed.

**DOUBLE CURLED.** Very fine; may be cut two or three times. Pkt., 5c; Oz., 25c.

## CUCUMBER

*One ounce to fifty hills.*

The Cucumber is a tender annual, and therefore should not be planted or set out in the open air until there is a prospect of continued warm and pleasant weather. Cucumbers succeed in warm, moist, rich, loamy ground. The hills should be four or five feet apart in each direction.

When all danger from insects is past, leave but three or four of the strongest plants in the hill.

**JAPANESE CLIMBING.** A distinct and valuable variety, quickly climbing poles or trellis, taking up less room in the garden and keeping fruit up from the ground and clean. It produces very long, round, crisp fruit of fine flavor and is very prolific. Pkt., 5c; Oz., 25c; ¼ lb., 60c; lb., \$2.00.

**NICHOLS' MEDIUM GREEN.** This is a very fine table variety, and also good for early forcing. Color dark green; flesh very crisp; very prolific and always straight, smooth and handsome. It also makes a very desirable sort for pickles. Pkt., 5c; Oz., 20c; ¼ lb., 60c; lb., \$2.00.

**GIANT PERA.** A very large variety of exceptional quality with smooth, thin, light green skin. The flesh is unusually thick with very few seeds. They are crisp, brittle and of extremely mild flavor. They frequently grow from twelve to fifteen inches in length under good cultivation. Pkt., 5c; Oz., 20c; ¼ lb., 60c; lb., \$2.00.

**EARLY RUSSIAN.** The earliest variety. Pkt., 5c; Oz., 20c; ¼ lb., 60c; lb., \$2.00.



Long Green Cucumber

**IMPROVED WHITE SPINE.** Superior for table use, very productive, medium sized, straight and well formed. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**EARLY FRAME.** An early standard variety; about five inches long. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**EARLY FORTUNE.** The finest type of White Spine yet produced. Early, very productive and disease-resistant; fruit long and slightly tapering; flesh white, very firm and crisp, with very few seeds; color rich dark green which it holds long after picking. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**EARLY GREEN CLUSTER.** Grows in clusters, early and productive. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**IMPROVED LONG GREEN.** Long and crisp; a popular and reliable variety for pickles. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**BOSTON PICKLING.** The finest variety to grow for pickles. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**DAVIS PERFECT.** A new variety, which is considered to be one of the very best cucumbers ever introduced. A very heavy cropper of a rich dark green color, medium long and slim with very few seeds, tender, crisp and good flavor. Its extremely vigorous growth makes it the best blight resister of the long sorts. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

## DANDELION

*One ounce to 100 feet of drill.*

The Dandelion resembles Endive and affords one of the earliest, as well as one of the most healthful, of spring greens. Sow as early as the weather will permit, in good, well enriched soil, in rows twelve inches apart, covering seed one-fourth of an inch deep, the earth firmly pressed over the seed. A hardy perennial.

**IMPROVED THICK-LEAVED.** Best variety. Pkt., 5c; Oz., 45c;  $\frac{1}{4}$  lb., \$1.50.

## ENDIVE

*One ounce to 150 feet of drill.*

May be grown at any season, but is more generally used late in the fall. Sow during May or June, in drills fourteen inches apart, and when well established, thin to one foot apart. When nearly full grown, tie the outer leaves together over the center in order to blanch the heart of the plant.



*Big Boston Lettuce*

**GREEN CURLED.** This is the hardiest variety, and very desirable for the home and market garden. The deep green leaves are beautifully cut and curled, easily blanched, and become very crisp, tender and fine flavored. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c.

**BROAD-LEAVED BATAVIAN.** Variety having wide thick leaves, straight at the edges and curved toward the center. Color, dull green. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c.

## LETTUCE

*One ounce to 120 feet of drill.*  
Lettuce thrives best in rich, moist ground. Sow the seed in hotbeds in February or March, and transplant into a sheltered border with a

southern exposure. For successive crops, sowings may be made in the open ground as early as the spring opens, and continuing until July. The more rapid the growth the better the quality. Lettuce should always be transplanted in order to make it head well.

**EARLY TENNISBALL.** Black seeded. A very popular sort for open ground culture; forms a handsome head and is crisp and tender. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 50c.

**BOSTON CURLED.** A variety of great beauty and of superior quality. Leaves beautifully curled; attractive on table. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 50c.

**GRAND RAPIDS.** Large and tender. Leaves are crumpled and do not make a solid head. Excellent for forcing. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 50c.

**ICEBERG.** A large-heading variety; crisp and brittle, and color light green, lightly tinged with brown on top of the head; leaves curled on the edges. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 50c.

**NEW YORK or WONDERFUL.** This is one of the best summer lettuces. It resists the hot weather, is very slow to run to seed, and is a sure header under the most trying conditions. The outer leaves are of a green color, the inner ones blanch to creamy-white; crisp, tender, delicious and sweet. The heads often measure fifteen inches. Pkt. 5c; Oz., 20c;  $\frac{1}{4}$  lb., 50c.

**IMPROVED HANSON.** Forms very large, firm heads, which are deliciously sweet, crisp and tender; heads green outside and white within. For outdoor culture unexcelled. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 50c.

**EARLY PRIZE HEAD.** Forms a large, tender and crisp mass of leaves of superior flavor and very hardy. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 50c.

**BIG BOSTON.** This is a new, very large strain of White Tennisball or Boston Lettuce, excelling all other strains in size; of great value to market gardeners. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 50c.

**WHITE PARIS COS.** (Romaine). Long, narrow, upright leaves. Grows to large size. Does not head, but when tied up blanches very readily. Pkt., 5c; Oz., 20c;  $\frac{1}{4}$  lb., 50c.

## LEEK

*One ounce of seed will sow 100 feet of drill.*

Belongs to the onion family and by some preferred to that vegetable. Sow the seeds and care for the young plants same as for onions, but they need a little more room in order to develop fully. When the young plants are about the size of a goose-quill, transplant to a prepared bed in rows one foot apart and four or five inches in the row. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use.

**LONDON FLAG.** It is the variety more cultivated in this country than any other. It is hardy and of good quality. Pkt., 5c; Oz., 25c;  $\frac{1}{4}$  lb., 75c.

## MUSK MELON

*Culture.* Melons succeed best in light, sandy rich soil. After all danger of frost is past plant in hills 4 to 6 feet apart each way, six to ten seeds to a hill. When about 3 inches high and all danger from insects is past thin out to 3 or 4 plants to a hill.

*One ounce to 60 hills; two to three pounds to an acre.*

**(NEW) HALE'S BEST.** A remarkably early shipping melon producing oval fruits, 6 inches by 4 $\frac{1}{2}$  inches, heavily netted. Flesh deep salmon color, very thick, succulent and sweet. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c.



*Muskmelon—Extra Early Hackensack*

**LARGE, ROUND, YELLOW CANTALOUPE.** Flesh reddish orange, sweet and of good flavor; an early and productive variety. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c.

**MILLER'S CREAM.** This is one of the finest all-round melons in existence. Flesh of a rich salmon color, very sweet and melting in quality. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c.

**EXTRA EARLY HACKENSACK.** A green-fleshed nutmeg of splendid quality. It is very early and a prolific bearer. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c.

### MELON—Water

*One ounce for thirty hills; four to five pounds for an acre.*

Plant in hills eight feet apart, and cultivate same as Musk Melon.

**VICK'S EARLY.** Productive, early and finely flavored; red flesh. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c.

**MOUNTAIN SWEET.** One of the best for general culture. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c.

**CITRON.** The standard variety for preserves. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c.

### MUSTARD

*One ounce to 100 feet of drill.*

Sow thickly in rows at different times from May to July, and cut when about two inches high. Used as a salad or cut and boiled for greens. The seed is used for flavoring pickles, etc.

**WHITE LONDON.** The leaves are light green, mild and tender when young; seed light yellow. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**MUSTARD SEED** for pickling. Oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

### ONION

*One ounce to 100 feet of drill; five pounds to acre.*

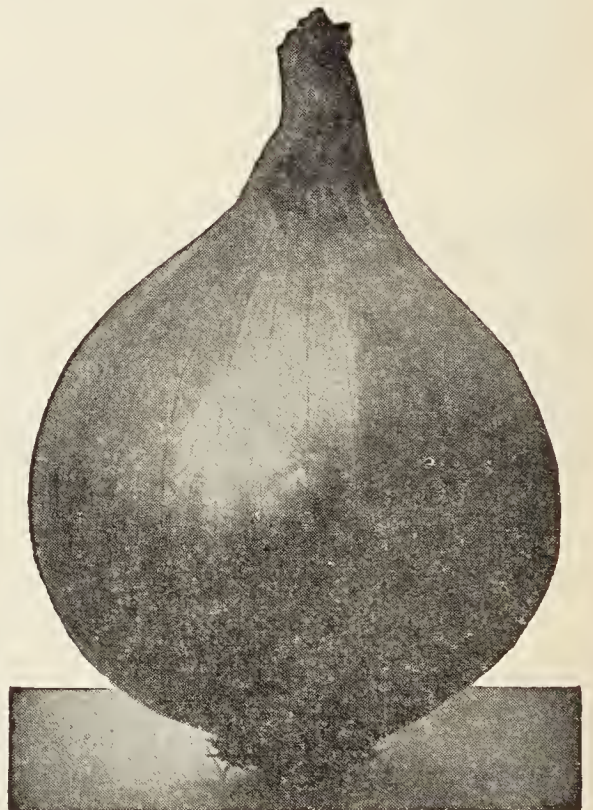
No vegetable is more extensively known and cultivated than the Onion. A good crop is impossible unless the soil is very rich and kept clean. Use well-rotted manure freely, and get the crop in as early as possible in spring, no matter if the weather is cold and unpleasant. Sow in drills one foot apart and cover about one-third of an inch, treading or rolling, after sowing, so that the hot, dry atmosphere may not dry up and destroy the sprouting seed.

**LARGE RED WETHERSFIELD.** Large size, productive and good keeper. Pkt., 5c; Oz., 25c;  $\frac{1}{4}$  lb., 75c.

**EXTRA EARLY RED GLOBE.** A very early variety of medium size and deep red. Pkt., 5c; Oz., 25c;  $\frac{1}{4}$  lb., 75c.

**YELLOW GLOBE DANVERS.** The most profitable variety to raise, very productive, a good keeper, of mild flavor, and always meets with ready sale. Pkt., 5c; Oz., 25c;  $\frac{1}{4}$  lb., 75c.

**AMERICAN SILVER SKIN.** Flavor mild and pleasant. Skin silver white. Handsome in appearance. Highly esteemed for pickling when young, also for market in early winter. Pkt., 5c; Oz., 25c;  $\frac{1}{4}$  lb., 75c.



*Yellow Globe Danvers*

**PRIZE TAKER.** This is one of the best of the huge foreign varieties. When started under glass and transplanted into open ground, they bottom well, are nearly free from stiff neck, and when offered for sale always attract marked attention. The variety is without doubt the largest onion grown, samples under special culture sometimes weighing five pounds. Pkt., 5c; Oz., 25c;  $\frac{1}{4}$  lb., 75c.



**YELLOW GLOBE DANVERS—EXTRA CHOICE SEED.** Grown from bulbs carefully selected as to shape and general appearance. It is the best seed obtainable and is sure to produce a good crop. The most profitable variety for the market gardener. Pkt., 5c; Oz., 30c; ¼ lb., 90c.

## ONION SETS

Onion Sets should be planted near the surface as early in the spring as the ground will permit, in drills about twelve inches apart and four inches in the rows. They produce a very early and profitable crop.

*Onion Sets by mail, see Parcel Post rates on page 1.*

	Per lb.	Per 8 lbs.
White Sets .....	25c	\$1.65
Potato Onion Sets .....	25c	1.65
Yellow Sets .....	25c	1.65

*For larger quantities prices will be given on application.*

## PARSLEY

*One ounce to 150 feet of drill.*

Parsley requires rich, mellow soil; sow thickly in drills, one foot apart, and half an inch deep. As the seed germinates slowly, it is best to soak it for a few hours in tepid water before sowing. For winter use, protect it in a glass frame or light cellar.

**DOUBLE CURLED.** Pkt., 5c; Oz., 15c; ¼ lb., 35c.

## PARSNIP

*One ounce for 250 feet of drill; 5 pounds to acre.*

Sow as early in the spring as the weather will admit, in drills 15 inches apart, covering half an inch deep; when well up thin out to five or six inches apart in the rows. Unlike carrots, they are improved by frost, and it is usual to take up in the fall a certain quantity for winter use, leaving the rest in the ground until spring, to be dug as required.

**ABBOTT'S IMPROVED, or LONG SMOOTH.** Smooth and quite large; one of the best. Pkt., 5c; Oz., 15c; ¼ lb., 45c; lb., \$1.25.

**IMPROVED HOLLOW CROWN.** Roots medium length with small tap root. Very smooth, with clear white skin. Fine grain flesh, of excellent sugary flavor, and heavy cropper. Pkt., 5c; Oz., 15c; ¼ lb., 45c; lb., \$1.25.

## PEAS

*Two pounds to 80 feet of drill; 100 pounds to the acre.*

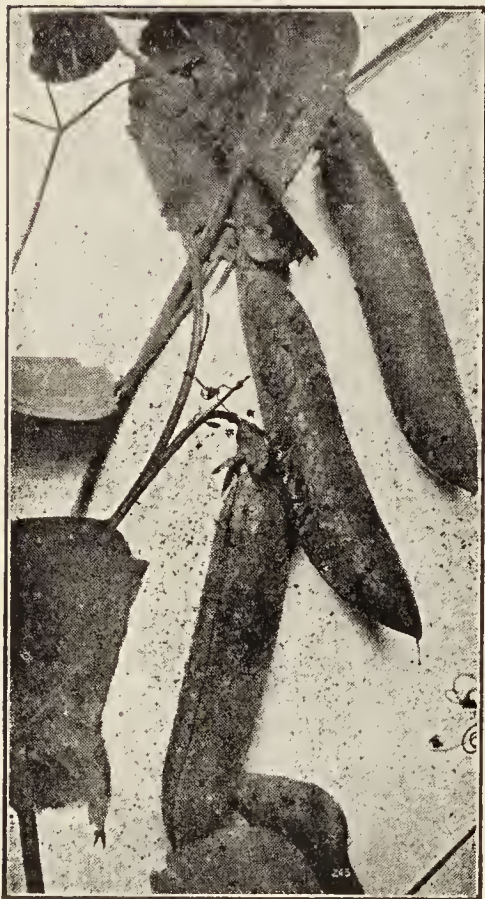
Peas for an early crop should be sown as soon as the ground is in working condition. The soil for their reception should be light, dry, and well sheltered. Mild manure, such as leaf mould, has a beneficial effect; but for many of the varieties, the soil cannot be too rich. For general crop the ground should be well manured the previous year, which causes them to yield more abundantly. When grown as a market crop, peas are never staked, and are sown in single rows two or three inches deep, and from two to three feet apart, according to the variety or strength of the soil. When grown in small quantities for private use, they are generally sown in double rows, six or eight inches apart, and the tall varieties staked up by brush or poultry netting. If the poultry netting is taken up as soon as the peas are picked it will last many years.



*Abbott's Improved Parsnip*

*When ordering Peas sent by mail, see Parcel Post instructions on page 1.*

## EXTRA EARLY VARIETIES

*Laxton's Progress*

**WORLD'S RECORD (NEW).** A popular large-podded, extra early wrinkled pea which matures a little earlier than the well-known Gradus. Its growth is very similar to that of Gradus, but somewhat more dwarfed and stouter; pods uniformly large, measuring from four and one-half to five inches, nearly round and packed with extra large, handsome peas of the finest flavor.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

**EARLY MORN (NEW).** This pea is a new variety, very similar in growth to Gradus, but a trifle earlier than either Gradus or Thomas Laxton. Very large pods of fine appearance and a good cropper. Excellent market garden variety for early use. Peas are large and of excellent quality. It grows about three feet high and is very prolific.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

**"BLUE BANTAM."** An extra early variety of the finest quality. Height 18 inches. Length of pod 4 to  $4\frac{1}{2}$  inches.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

**GRADUS, or PROSPERITY.** One of the earliest and most popular of the large-podded, wrinkled peas; vines vigorous, bearing large pods from 4 to  $4\frac{1}{2}$  inches in length, filled with large peas of the finest quality and delicious flavor; height 3 feet.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

**THOMAS LAXTON.** Similar to Gradus, but more prolific. The pods are long, straight, with square ends, and contain 7 or 8 peas of the finest flavor; hardy and productive; height 3 feet.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

**(NEW) LAXTON'S PROGRESS.** The largest podded and most attractive early dwarf variety. Vine 18 inches tall, pods 5 inches long, containing 7 to 9 large peas of excellent quality.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

**LAXTONIAN.** One of the most remarkable varieties yet introduced; very dwarf, growing 18 inches high, pods  $4\frac{1}{2}$  inches long, containing peas of fine flavor.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

**NOTT'S EXCELSIOR.** A splendid early sort; pods are always well filled with large peas of delicious flavor. Height 15 inches.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

**SUTTON'S EXCELSIOR.** As early as Nott's Excelsior, with much larger pods, a large cropper and of rich flavor; height  $1\frac{1}{2}$  ft.  $\frac{1}{2}$  lb., 15c; lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

## SECOND EARLY

**DWARF TELEPHONE (CARTER'S DAISY).** Similar to the Tall Telephone, bearing heavy pods, about  $4\frac{1}{2}$  inches long; height 2 ft.  $\frac{1}{2}$  lb., 15c; lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

## GENERAL CROP

**IMPROVED TELEPHONE.** An improvement on Carter's Telephone for purity and uniformity of habits, bearing in great abundance large, dark green pods, containing peas of fine flavor; height 4 feet.  $\frac{1}{2}$  lb., 15c; 1 lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

**ADMIRAL DEWEY.** The vines are of vigorous growth; the pods are always of good size well filled with peas of the highest quality; specially recommended for the home garden and market growing; height 4 feet. ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

**ALDERMAN.** A handsome large podded variety of the Telephone type. Pods 4½ to 5½ inches long, broad, pointed, dark green containing 8 to 10 light green peas of highest quality. ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

**DUKE OF ALBANY, or AMERICAN CHAMPION.** One of the best large podded late varieties. Very prolific. The vines are strong and vigorous, growing to the height of four feet. The pods are large, dark green and well filled with large, tender peas of delicious flavor. ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.

### EDIBLE PODDED VARIETIES

**MAMMOTH MELTING SUGAR.** (Edible Pods). Pods very large, broad and slightly curved, or twisted. Very sweet, brittle and tender, having none of the tough inner lining found in the ordinary varieties of garden peas. They are used same as snap or string beans. Height about 4 ft. ½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 14 lbs., \$2.75.



*Produces bigger and better quality crops*

### YOUR GARDEN PEAS, BEANS AND SWEET PEAS

*need more than sun and water*

**INOCULATE!** Before planting, apply a fresh bacteria fertilizer to the seed. One can enough for from 1 ounce to 8 pounds seed. Price 25c; ½ Bu. size, 35c; Bu. size, 65c.

### FIELD VARIETIES

**WHITE MARROWFAT.** One of the best late varieties; very productive. 15 lbs., \$2.50; 100 lbs., \$15.00.

**BLACK-EYED MARROWFAT.** Excellent, hardy, productive field pea. 15 lbs., \$2.50; 100 lbs., \$15.00.

**CANADA FIELD.** Extensively used for field culture. 15 lbs., \$1.40; 100 lbs., \$8.00.

### PEPPER

Grown largely for pickles. Sow in hotbeds early in April and transplant to the open ground when the weather is warm and settled. The rows should be two feet apart and the plants fifteen inches apart in the rows. Rich, warm, mellow soil.

*One ounce of seed will produce about 2,000 plants.*

**LARGE BELL.** Large and mild flavor; ripens bright red. Used for stuffed peppers. Pkt., 5c; Oz., 40c.

### POTATOES (Maine Grown)

*10 to 12 bushels, or about 4 barrels, sufficient for one acre. One peck will plant 75 hills.*

*Prices quoted on application.*

**IRISH COBBLER.** (Selected). One of the most reliable of the early varieties. Cream-white color, vigorous grower, ripens uniformly and a good keeper. Considering its earliness, yield, fine quality and handsome appearance, Irish Cobbler is one of the best of all early potatoes. *Write for prices.*



*Harmony Beauty Potatoes*

**HARMONY BEAUTY.** (Selected). This potato originated from the seed of a potato ball in Somerset county, Maine. It is a prolific cropper and remarkably free from rot. In appearance it has a russet pinkish skin, a little lighter in color than the Early Rose, and is of more oval shape. Flesh white and mealy. Medium early. *Write for prices.*

**IMPROVED GREEN MOUNTAIN.** (Selected). Improved by careful selection of seed. In season it is medium; one of the best yielders and keeps well; color white, form round or oval. smooth skinned and a heavy yielder. *Write for prices.*

**GOLD COIN.** A very hardy, all-around general crop potato. White-skinned with slight russet appearance, flesh white and mealy. In form it is very regular, of a round, oval shape. As a table potato it cannot be excelled. *Write for prices.*

**CONTROL DISEASES—Increase Stand and Yield** by using the dip disinfectant **SEMESAN BEL.** 4 Oz. can, 50c; 1 lb. can, \$1.75; 5 lb. can, \$8.00; 25 lb. pail, \$31.50. 1 Oz. to 5 Bu. seed.

## PUMPKIN



*Connecticut Field Pumpkin*

Same cultivation as for cucumbers and melons.

*One ounce for 20 to 25 hills; 3 pounds for an acre.*

**CONNECTICUT FIELD.** Large size; used for stock, good for cooking. Pkt., 5c; Oz., 15c; ¼ lb., 30c; lb., 80c.

**SMALL SUGAR.** Also called New England Pie Pumpkin. It is small, but has the right flavor for the best pies. The skin is a deep orange color, the flesh deep yellow. Pkt., 5c; Oz., 15c; ¼ lb., 35c; lb., \$1.25.

**KING OF THE MAMMOTHS.** The best mammoth pumpkin, flesh is a golden-yellow, a splendid keeper and valuable for stock feeding. Pkt., 5c; Oz., 15c; ¼ lb., 35c; lb., \$1.25.

## RADISH

*Culture.* The seeds should be sown in light, rich, sandy loam. For an early supply, sow in a hotbed in rows 4 inches apart. Sow in the open ground in rows 8 to 12 inches apart ½ inch deep, as soon as the soil can be worked. If the radish makes rapid growth it will be crisp and tender. Sow every week or ten days for succession.

*One ounce for 100 feet of drill.*

**CRIMSON GIANT RADISH.** Rich crimson color, flesh white and solid, and of a mild and delicious flavor. Grows to a large size without becoming pithy. Excellent for forcing. Pkt., 5c; Oz., 15c; ¼ lb., 25c; lb., 75c.

**EARLY SCARLET WHITE-TIPPED.** Small, round, red short tops, crisp and tender. Pkt., 5c; Oz., 15c; ¼ lb., 25c; lb., 75c.

**SCARLET GLOBE.** One of the best varieties for forcing or sowing in the open ground; globe shaped, scarlet color, crisp and tender. Pkt., 5c; Oz., 15c; ¼ lb., 25c; lb., 75c.

**WHITE ICICLE.** Finest white radish. It is long, slender, pure white, roots of excellent quality. Fine for forcing. Pkt., 5c; Oz., 15c; ¼ lb., 25c; lb., 75c.

**FRENCH BREAKFAST.** Oblong shaped, color scarlet, white-tipped, rapid grower, mild and tender. Pkt., 5c; Oz., 15c; ¼ lb., 25c; lb., 75c.

**ROUND BLACK SPANISH.** Grows three to four inches in diameter. Skin black, flesh white. Excellent flavor and a good keeper. Pkt., 5c; Oz., 15c; ¼ lb., 25c; lb., 75c.

All prices quoted in this catalogue subject to change without notice.

## SALSIFY (Oyster Plant)

Commonly called vegetable oyster. Used stewed, boiled or fried. When cooked has an oyster flavor. Sow early in drills fifteen inches apart; cover the seeds with fine soil, an inch and a half deep.

*One ounce to 50 feet of drill.*

MAMMOTH SANDWICH ISLAND. Pkt., 5c; Oz., 30c;  $\frac{1}{4}$  lb., \$1.00.



*Victoria Spinach*

## SPINACH

*Culture.* Sow early in the spring in drills one foot apart, covering the seed one inch deep, thinning out as it grows. For a succession sow every two weeks.

The New Zealand spinach, which requires more room, may be started from seed early in spring to give greens during the heat of summer.

*One ounce to 50 feet of drill; 10 to 12 pounds to the acre.*

**KING OF DENMARK.** Leaves rounded, somewhat blistered; suitable for early sowing and remains in good condition after other varieties have bolted to seed. Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**LONG STANDING.** Good for summer crops, dark green in color, slow running to seed. Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**BLOOMSDALE or SAVOY LEAVED.** Very dark green and compact in growth, withstands heat longer than most varieties. Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**VICTORIA.** Very thick, dark green variety, with leaves spreading out flat on the ground. Long standing. Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**NEW ZEALAND.** (Cut and come again variety). Grows in heat of summer when other varieties fail. Germination is slow and can be hastened by soaking in warm water for 24 hours. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

## SQUASH

Squash are quite tender and should not be planted until the ground has become thoroughly warm and all danger of frost is past. Plant in light, rich soil, well pulverized. Bush varieties should be planted about 4 ft. and the running varieties about 8 ft. apart.

*Bush varieties, one ounce to 40 hills; running varieties one ounce to 15 hills, three or four pounds per acre.*

**GIANT SUMMER CROOKNECK.** Early, productive and of good quality; fruit bright yellow. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**WHITE BUSH SCALLOPED.** An early flat, scalloped shaped variety; very productive; good either for home or market garden. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**HUBBARD.** One of the most desirable varieties in cultivation; color, dark green; flesh, bright orange-yellow; fine-grained, very dry, sweet and rich-flavored; keeps perfectly good throughout the winter. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**GOLDEN HUBBARD.** Same type as the Green Hubbard, but of rich orange-red color and earlier to mature. A good keeper. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.



*Warded Hubbard Squash*

**BLUE HUBBARD.** Has the general shape of the Hubbard squash family. The fruit is gray-blue in color, grows very large, is a very heavy cropper and keeps well. The meat is thick, fine grained, dry and sweet. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**WARDER HUBBARD.** An improvement over the old-fashioned Hubbard, same shape, large size, dark green, almost black, distinguished by a dense covering of knots which justifies the name "warded." Very thick flesh, first-

class quality, and a good keeper. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**MAMMOTH CHILL.** Grown for exhibition and stock feeding; specimens have been grown to weigh upwards of 150 pounds; fruits oblong, skin quite smooth but with broad open netting and rich orange-yellow color. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**BOSTON MARROW.** A fall and winter variety; very popular in the Boston market; of oval form; skin thin; when ripe, bright orange; an excellent keeper and of superior quality. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**EARLY PROLIFIC MARROW.** Earlier than the Boston Marrow. Very productive and grows to weigh from seven to twenty pounds. Its color is most attractive, a brilliant orange-red. Quality excellent when mature, and a good keeper. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**DELICIOUS.** A new variety of winter squash, one of the best ever introduced. Color of skin is green, with an occasional blue specimen. About the same size as the Hubbard. Flesh very thick and of a dark orange color, very fine grain, exceedingly rich and of elegant flavor. It can be used for either fall or winter use, but does not acquire its best qualities until winter. It is without question the sweetest and richest flavored squash grown. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

## SUNFLOWER

**LARGE RUSSIAN**.....Pkts., 5c; lb., 20c

*Prices on Sunflower in larger quantities quoted on application.*

## TOBACCO SEED

**CONNECTICUT SEED LEAF.** Best adapted to the climate of the northern states, as it is more hardy and endures the cold better than the tender varieties grown south. Pkt., 5c; Oz., 35c;  $\frac{1}{4}$  lb., \$1.25.

## TOMATO

*One ounce will produce 1500 plants.* This vegetable is one of the most important of all garden products. They thrive best in a warm, light, rich soil. For early plants, sow about the first week in March in a hotbed, or in boxes or pots in a warm window. When the plants are about two inches high, set out in boxes, three inches deep, four inches apart, in the same temperature, or pot singly. If again transplanted before setting out, the plants will be still more stocky. Set out in the open ground about the first of June, four feet apart, each way, using a shovelful of rotted manure in each hill. Keep well sheltered and watered until they are established, after which let the fruit have plenty of sun.



**EARLIANA.** A very early variety. Remarkable for its size and bright red color. The flesh is very firm and solid, and of excellent quality. Pkt., 5c; ½ Oz., 20c; Oz., 35c.

**BONNY BEST.** An extra early Tomato of a vigorous growth, and very prolific. Fruit of uniform size, solid, smooth, fine flavor and a bright scarlet color. One of the very best extra early varieties. Pkt., 5c; ½ Oz., 20c; Oz., 35c.

**CHALK'S EARLY JEWEL.** An exceptionally fine early variety, about ten days later than Earliana. Fruit smooth, round and solid. A bright scarlet in color. Excellent for both the market and home. Pkt., 5c; ½ Oz., 20c; Oz., 35c.

**DWARF CHAMPION.** This is an early variety, which forms very stout, strong plants, about two feet high. The branches are short, making a bushy plant that stands quite erect, without stakes. Fruit smooth, medium sized, fairly solid, but has no hard core, and is of good flavor. Pkt., 5c; ½ Oz., 20c; Oz., 35c.

**MARGLOBE.** A new disease resistant tomato, second early in maturity, fruit large, smooth, globular, and nearly coreless. Color red. A fine variety for the market gardener. Pkt., 5c; ½ Oz., 20c; Oz., 35c.

**LIVINGTON'S BEAUTY.** Color very glossy crimson; grows in clusters of four or five fruits; large and solid. Pkt., 5c; ½ Oz., 20c; Oz., 35c.

**CRIMSON CUSHION.** A large, very smooth tomato of a bright scarlet color. The flesh is very firm, with small amount of seeds. Grand for slicing or canning. Pkt., 5c; ½ Oz., 20c; Oz., 35c.

**PONDEROSA.** A very large variety, purple in color. Considered to be one of the best for home use. Fruit very solid with few seeds, and of excellent flavor. Free from acid. Pkt., 5c; ½ Oz., 20c; Oz., 35c.

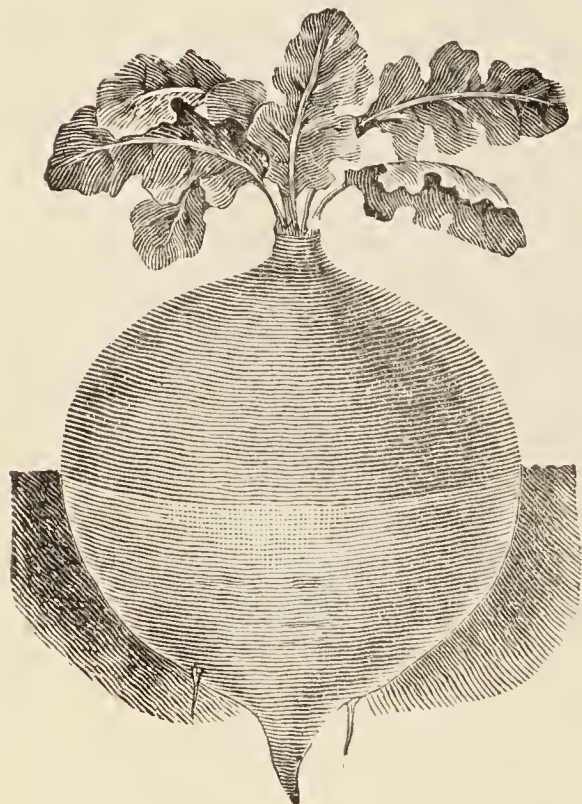
**JOHN BAER.** A bright red tomato a few days earlier than Bonny Best, bearing a very heavy crop of large, smooth, evenly ripened fruit. Seldom bursts when dead ripe. Pkt., 5c; ½ Oz., 20c; Oz., 35c.

**NEW STONE.** 84 days. Vines vigorous and productive; fruits large, smooth, solid and deep red in color; very heavy. This is a favorite canners' variety. Pkt., 5c; ½ Oz., 20c; Oz., 35c.

## TURNIP

*Culture.* Thrive best in light, rich, sandy soil. The earliest varieties can be sown as soon as the ground can be worked, either in drills or broadcast. For fall and winter crop, sow about the middle of July. Cover  $\frac{1}{2}$  inch deep. Thin to six inches apart.

*One ounce will sow 150 feet of drill, 1 to 2 pounds to an acre.*



**GOLDEN BALL or ORANGE JELLY.** A rapid grower of excellent flavor; bright yellow, good keeper, and a superior table variety. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 90c.

**EARLY PURPLE TOP STRAP LEAF.** An early table variety. The roots are flat, medium in size, purple or dark red above ground, and white below ground. Roots are in best condition for the table when about  $2\frac{1}{2}$  inches in diameter, but will grow much larger for feeding purposes. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 90c.

**WHITE EGG.** An early, oval or egg shaped variety. Roots of medium size, smooth, clear white, and of the highest quality. Excellent for home gardens and markets. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 90c.

**COW HORN.** This variety is pure white, except a little shade of green at the top. An exceptionally heavy yielder of very rapid growth and is very popular for field culture for feeding stock. Pkt., 5c; Oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 90c.

## RUTA BAGA

**CARTER'S IMPERIAL SWEDE.** A most excellent sort for either table use or feeding stock. Flesh yellow, solid, sweet and rich. Purple top, hardy and heavy yielder. Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**AMERICAN PURPLE TOP.** Flesh solid, yellow, sweet, and of fine flavor. Excellent keeper for winter use. Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**SKIRVING'S PURPLE TOP.** A very popular variety. Large, yellow, firm flesh, sweet, and a good keeper. Pkt., 5c; Oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

## HERBS

Most herbs have both decorative and vegetable qualities, and for this reason are found in both flower and vegetable gardens. They are easily dried for winter use. In general, they may be sown in early spring in rows about a foot apart, and thinned to about 6 in.

**BALM.** A perennial used for a medicinal tea, and a beverage of lemon-like flavor. Pkt., 5c.

**DILL.** The seed and foliage of this annual is used for flavoring as in "dill pickles." Pkt., 5c.

**SAGE.** The well-known hardy perennial used for seasoning. Pkt., 5c.

**SAVORY, SUMMER.** The foliage and flowers of this annual used for flavoring and seasoning. Pkt., 5c.

**SWEET MARJORAM.** Treated as an annual and the younger foliage used for seasoning. Pkt., 5c.

**CHERVIL—CURLLED.** A crisp curled variety. This is an aromatic sweet herb that resembles parsley. Used for flavoring soups and salads. Pkt., 5c.

All prices quoted in this catalogue subject to change without notice.



## FLOWER SEEDS

For best results, flowering plants should be grown in a rich, sandy loam. Do not cover too deeply. A general rule is to cover from  $\frac{1}{4}$  to  $\frac{1}{2}$  inch, but for the very fine seeds, the best results are obtained by merely pressing them into the earth, and sprinkling them lightly with loose earth to prevent seed drying up. In dry weather, they should be sprinkled frequently.

*All Flower Seeds sent postpaid on receipt of price.*



*Dwarf Nasturtium*

### NASTURTIUM

One of the most popular flowers, Nasturtiums are perhaps the most easily grown of all annuals, and in almost any soil. The dwarf varieties are used for beds and borders and the tall sorts to cover fences or in window boxes. The plants, for about three months in the year, produce a lavish profusion of bloom even through the hottest weather.

NASTURTIUM (TALL). Pkt., 10c; Oz., 15c;  
2 Oz., 25c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

NASTURTIUM (DWARF). Pkt., 10c; Oz., 15c;  
2 Oz., 25c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**BODGER'S NEW DOUBLE SWEET-SCENTED GOLDEN GLEAM.** This sensational novelty forms a large, vigorous bush which throws out short runners 12 to 15 inches in length. The extra large flowers are semi-double, borne on erect stiff stems that are ideal for cutting. Pkt., 10c; Oz., 25c;  $\frac{1}{4}$  lb., 75c.

### SWEET PEAS

Sow as early as the ground can be prepared in a rich, moist soil, in drills 6 inches deep, covering about 2 inches. As the vines grow, fill up the trenches with soil and thin out to about 4 inches apart. A good plan is to sow in double rows with a trellis between.

When plenty of manure is available, dig trench 12 to 15 inches deep. Lay 4-inch land tile in the bottom of trench. Stop up one end with cement. Place an elbow on the other end and add tile enough to come a little above surface of soil. Lay small pieces of tarred paper over the joints to keep out dirt until soil has firmly settled. Fill trench with the manure until when well treading, it is 4 inches from the surface. Water freely with hose. Fill nearly to the top with loam, sow the seed and cover about 2 inches. When plants have grown 3 or 4 inches high, thin to 4 inches apart and fill around them as they settle in the trench. Water freely in the tile twice a week. Dissolve Nitrate of Soda in the water occasionally for best results.

### Spencer Varieties

The flowers are of exceptionally large size, the wings waved or frilled and the general effect is very attractive. The plants are of vigorous growth and remain in bloom much longer than ordinary sorts. They produce abundantly on long stems, making them most desirable for cutting.

The more the flowers are cut the more freely they will bloom.

All prices quoted in this catalogue subject to change without notice.



AUSTIN FREDERICK. Improved, giant lavender.

BLUE BIRD. Clear mid-blue.

CLARA CURTIS. Very large wavy; cream or light primrose.

DORA. Rosy cerise, cream wings.

FIERY CROSS. Large fiery scarlet.

HERCULESE. Pure pink.

HEBE. Large rosy pink.

MARY PICKFORD. Dainty cream pink, suffused salmon.

ROYAL PURPLE. Rich purple.

WHITE SPENCER. Pure white.

Price, any of the above: Pkt., 10c; Oz., 20c; ¼ lb., 70c; ½ lb., \$1.25.

SUPERIOR SPENCER MIXED. Choice mixture. Pkt., 10c; Oz., 15c; ¼ lb., 30c; 1 lb., \$1.00.

INOCULATE SWEET PEAS WITH NITRAGIN to insure larger roots and a more vigorous growth. Garden size for up to 8 lbs. of seed, 25c.

## THE FOLLOWING LIST OF DESIRABLE FLOWER SEEDS

10c Per Pkt., postpaid

- |   |   |
|---|---|
| <p>ASTERS—Queen of the Market. Mixed colors<br/>Giant Comet. Of great beauty, mixed.<br/>Crego. Comet type, curled petals, mixed.</p> <p>ALYSSUM. Sweet scented white flowers.</p> <p>BACHELORS BUTTON. Showy, hardy annual, mixed.</p> <p>BALSAM. Most magnificent, mixed.</p> <p>CALENDULA (Pot Marigold). Mixed.</p> <p>CALLIOPSIS. Very showy, mixed.</p> <p>CANDYTUFT. Pure white.</p> <p>CANDYTUFT. Finest mixed colors.</p> <p>CANTERBURY BELLS. Cup and saucer, mixed.</p> <p>CARNATIONS. Very showy, sweet scented.</p> <p>COSMOS. Free blooming, mixed colors.</p> <p>EVERLASTING. Very ornamental.</p> <p>FORGET-ME-NOTS. Sky blue.</p> <p>GAILLARDIA. Large flowers, mixed.</p> <p>HOLLYHOCK. Single mixed. (Perennial).</p> <p>HOLLYHOCK. Double mixed. (Perennial).</p> <p>LARKSPUR. Annual of great beauty, mixed.</p> | <p>MARIGOLD (African). Mixed.</p> <p>MARIGOLD (French). Mixed.</p> <p>MIGNONETTE. Sweet large flowered.</p> <p>MORNING GLORY. Mixed.</p> <p>PANSY. Large flowered, mixed.</p> <p>PETUNIA. Great variety, mixed.</p> <p>PHLOX (Drummondii). Mixed.</p> <p>POPPY (California)</p> <p>POPPY (Double). Choice mixed.</p> <p>POPPY (Shirley). Beautiful shades, mixed.</p> <p>PORTULACA. Very popular, single mixed.</p> <p>SALPIGLOSSIS. Very beautiful, mixed.</p> <p>SALVIA (Scarlet Sage). Old favorite.</p> <p>SNAP DRAGON. Mixed annual.</p> <p>STOCKS. Early, large flowering, mixed.</p> <p>SWEET WILLIAM. Showy perennial, mixed.</p> <p>CYPSOPHLIA. Baby's Breath.</p> <p>WILD CUCUMBER VINE. Will climb 15-20 ft.</p> <p>FLOWER GARDEN MIXTURE. Intended to be sown broadcast.</p> <p>VERBENA. Always popular, mixed.</p> <p>ZINNIA (Giant). Large flowered, mixed.</p> |
|---|---|

All prices quoted in this catalogue subject to change without notice.

## R. B. Dunning & Co. Superb Gladiolus

There is no other Summer flowering bulb that is enjoying so great popularity as that of the Gladiolus. Their adaptability to garden decoration or to use as cut flowers during the Summer and early Autumn is surpassed by no other flower. They are not only showy in the garden but when cut with the first flower open, will last for 10 days in the house. They thrive in almost any good garden soil but better results may be had if soil is well prepared and enriched with some of our pulverized manures. Great improvements have been made in the size, color and beauty of these flowers. Our list comprises the best of recent introductions as well as the most popular of the standard varieties. Plant bulbs 4 inches deep and from 4 to 6 inches apart.

- |   |  |
|---|--|
| CARMEN SYLVA. Pure white, long spike, one of the best. Late.    | AMERICA. Lovely shade of pure pink.                          |
| CRIMSON GLOW. Dark scarlet, creamy lines in the throat.         | GIANT NYMPH. Light pink, tall spike. Early.                  |
| GOLDEN DREAM. Purest yellow, long spike. Late.                  | PRIDE OF WANAKAH. Pure rose pink, darker block.              |
| MARNIA. Reddish orange, large flowered.                         | BERTY SNOW. Pinkish lavender, a very good one from Scotland. |
| MRS. LEON DOUGLAS FLAME. Salmon pink, tall and large; gorgeous. | MURIEL. Grayish lavender, big purple block.                  |

Price on any of the above: Each, 5c; Doz., 50c; by mail, 60c.

WABAN WONDER MIXTURE. Twenty-five bulbs in a box. No two alike. Full range of colors. If bought separately would cost more than double. Per box, \$1.00; by mail, \$1.15.

DUNCO SPECIAL COLLECTION. One bulb each of 15 outstanding varieties, all separate and named. This is purely an advertising special, put up for the purpose of inducing those who are not yet familiar with our wonder quality bulbs to try them, and as a rare treat for those who buy our bulbs year after year. Full instructions from A to Z in this Glad Game, by a noted gladiolus grower, with each order. Per box, \$1.50.

### VEGETABLE PLANTS AND ROOTS

ASPARAGUS ROOTS. Strong, two-year-old roots, per doz., 40c; per 100, \$2.50.

#### CABBAGE PLANTS

Early Summer varieties ready May 15th.	For Winter crop ready June 15th.
Golden Acre	All Seasons
Early Jersey Wafflefield	Danish Ball Head
Fottler's Brunswick	Copenhagen Market
	Premium Flat Dutch
	Stone-Mason Drumhead

Put up in bunches of 25, 50 and 100.

#### CAULIFLOWER PLANTS—Ready June 1st.

Henderson's Early Snowball. Put up in bunches of 12, 25 and 100.

#### CELERY PLANTS—Ready June 1st.

Golden Self-Bleaching	Boston Market	White Plume
	Put up in bunches of 25, 50 and 100.	

#### PEPPER PLANTS—Ready June 1st.

Large Bell or Bull Nose.

#### TOMATO PLANTS—Ready May 20th.

Sparks' Earliana	Marglobe	Crimson Cushion
New Stone	Dwarf Champion	Livingston's Beauty

Put up one dozen in a box and in bunches of 12, 25, 50 and 100.

#### RHUBARB ROOTS

Linnaeus, two-year-old roots.....25c each; \$2.50 per dozen

All prices quoted in this catalogue subject to change without notice.

## BEDDING PLANTS—Seedlings

Ready June 1st.

Asters	Pinks	Verbena
English Daisies	Petunias	Zinneas
Ivy	Snap Dragon	Forget-me-nots
Pansies	Salvia	Cannas, red or green
	Ten Weeks' Stocks	

GERANIUMS. Choice mixed varieties, from 2½ and 3-inch pots. Write for prices on plants listed on this page not priced.

*All plants on this page shipped at owner's risk. Our responsibility ceases on delivery to the Express or Railroad Company. No plants will be shipped on Saturday.*

*Plants sent by Express, Freight or Parcel Post.*

## Extra Selected Farm Seeds

*At market prices at time order is received. All inquiries for quotations will be promptly answered.*

### GRASS SEEDS

TIMOTHY OR HERD'S GRASS. The best grass for hay; 45 lbs. to the bushel.

FANCY RED TOP. Clear seed. A valuable grass and extensively cultivated; 40 lbs. to the measured bushel.

CANADA BLUE GRASS. A very hardy variety of Blue Grass. Excellent for pasture and especially adapted to dry, sandy, thin soils. Does not make as fine a sod as the Kentucky Blue Grass, but will stand rougher usage.

KENTUCKY BLUE GRASS. An excellent variety for pasture. Also valuable for lawns when mixed with other grasses; 14 lbs. to the bushel.

COLONIAL BENT. Ideal for golf link putting greens; it makes a fine turf and lasts well. Also excellent for lawns.

ORCHARD GRASS. Valuable on all dry soils, very valuable as a pasture grass; 14 lbs. to the bushel.

CHEWINGS FESCUE. Valuable in lawn, golf link and pasture mixtures.

RYE GRASS. A very valuable grass; arrives early at maturity and produces a good quantity of hay. It grows freely on most any soil and shows a very early spring growth of which cattle are very fond. Very desirable for a pasture grass.

MEDIUM RED CLOVER. The common Red Clover and by far the most practical variety for agricultural purposes.

MAMMOTH OR PEA VINE CLOVER. Of ranker growth than Medium Red and usually lasts longer.

ALSIKE CLOVER. Very hardy, particularly adapted for low, moist land.

WHITE CLOVER. Very hardy. Valuable for lawns and permanent pasture mixtures. Adapted to all soils.

SCARLET OR CRIMSON CLOVER. A rapid growing annual, fine for feeding cattle, or for plowing under to enrich the soil.

BOKAHRA OR WHITE SWEET CLOVER. Will grow on very poor soils; excellent for plowing under, also makes a superior forage crop. This is a biennial and will not last over two years.

ALFALFA. We offer the Grimm's Alfalfa as the variety best adapted to New England.

All prices quoted in this catalogue subject to change without notice.

## FORAGE SEEDS, GRAIN, ETC.

AT THE LOWEST MARKET RATES AND OF THE BEST QUALITY

**BARLEY** (*both two-row and six-row*). The two-rowed variety has a head a little longer than the six-rowed varieties and the grain is larger, plump, extra heavy. On account of its attractive appearance and the fine quality, the grain brings the highest price, and is also extensively grown for green fodder.

**BUCKWHEAT** (JAPANESE). The most desirable variety. If sown at the same time as the Silver Hull it will ripen earlier and yield nearly double the amount. It is of much stronger growth than the common buckwheat and the kernels are fully twice the size.

**MILLET** (JAPANESE BARNYARD). Succeeds in almost any ordinary soil, and may be sown from the middle of May to the first of July. Is distinct from other varieties. Enormous crop, and is excellent, either green or cured, for hay. Exceedingly popular as a forage plant.

**MILLET** (HUNGARIAN). Probably used more than any other millet for fodder during the summer months. Remains green when almost all other vegetation has dried up. It is one of the very best plants for green fodder or for ensilage; makes hay of good quality.

**SOUDAN GRASS**. A new annual forage crop. Soudan grass is a drought-resistant hay crop of great merit. In dry sections it yields more forage than millet, and the hay is relished by stock of all kinds. After the ground has become warm, seed may be sown broadcast at the rate of from 16 to 24 pounds per acre; if planted in drills 18 to 24 inches apart, from 4 to 6 pounds per acre will be sufficient.

**SWEDISH TYPE OATS**. One of the best varieties for home use or market. It is a heavy yielder, with stiff straw, thin hull, and stands dry weather well.

**MAINE 340 OATS**. This variety of oat was originated in the State of Maine after many years of careful selection and breeding. A heavy yielder, straw good height, stiff and does not lodge easily. Oats very heavy and of fine quality.

**ROSEN RYE** (WINTER). Produces a strong, vigorous straw and stools to a remarkable degree. The grain is large, plump, heavy and of beautiful color, commanding a premium on the market over other grains. Owing to its vigorous stooing property less seed is required, the practice being about 1½ bushels per acre. At the State Experimental Farm in Michigan, for a number of years the average yield has been 41.3 bushels per acre, of an exceptionally high quality of grain, and 46 bushels per acre is not an unusual yield.

**RYE** (SPRING). For a catch crop this is best for sowing in the spring, as a crop may be obtained by later sowing than any other grain, although it does not yield as heavily as the winter rye.

For extra profit, treat oats, barley and wheat with New Improved Ceresan. Unusually effective in controlling smut. Applied by dusting on seed, only 2 oz. for wheat or rye, 3 oz. for barley and oats. Often increases yield 1 to 5 bushels per acre. Price: 1 lb., 75c; 5 lbs., \$3.00.

**WINTER VETCHES**. Also called Sand Vetch or Hairy Vetch. Recommended for fall sowing with rye, which serves as a support. It is perfectly hardy in all parts of the country, can be harvested or plowed under and the ground used for the usual spring crop. Sow 60 pounds of the seed per acre, together with ½ bushel of rye.

**SOJA BEANS**. Produce an enormous crop of both vines and pods. Valuable as a forage crop, and for fertilizing the soil, also for pasturing, feeding as green fodder, and for silo purposes. Sow ½ bushel to the acre.

**COW OR SOUTHERN PEAS**. Green crops plowed under are one of the best and cheapest ways of improving the soil. For this purpose the Cow Peas are very popular. They should be sown the last of May or in June, at the rate of one and one-half bushels to the acre and plowed under as soon as they have attained their growth. Cow Peas are also valuable as a forage crop.

*To insure a good crop of Vetch, Cow Peas, or Soja Beans, inoculate the seed with NITRAGIN.*

## DWARF ESSEX RAPE

A forage plant of great merit, easily grown in any locality, and one of the most satisfactory quick-growing crops, especially for sheep. As a fattening food for sheep, cattle, calves or pigs, it is without a rival in point of cheapness, is hardy, withstands drought, and will produce a crop in any soil. The seed may be sown from May to July, 10 to 12 pounds per acre.

## LAWN GRASS SEEDS

To grow a beautiful lawn, it is necessary to have a rich, well drained soil; carefully prepared to make it fine, smooth and mellow. As all varieties of grass seeds do not germinate at the same time, special care must be taken in the selection of the proper kinds to make a velvety carpet-like lawn. Seed may be sown in spring and up to early fall at the rate of 1 pound to every 200 square feet.

**CHOICE LAWN SEED.** This is a mixture of seeds especially adapted to make a velvety-like lawn. 1 lb., 45c; 5 lbs., \$2.00.

**SHADY SPOT.** This mixture is adapted for growing in the shade and under trees. 1 lb., 50c; 5 lbs., \$2.25.

*If sent Parcel Post, include extra for postage. See rates on page 1.*

### Special Mixtures for Putting Green and Fairway

We carry a stock of grass seeds for Golf Links that will give excellent results. Write for prices on special formulas, giving quantity desired.

### Pasture Seed

*A Special Grass Mixture for Permanent Pastures.* This is a special mixture of grasses that produce a heavier, thicker and longer continued growth of grasses than when only one or two kinds are sown. It also makes a much heavier and thicker sod.

If unable to harrow into the soil, the seed should be sown just as soon as the snow leaves in the spring, while the ground is cool and moist. We recommend using 1 to 1½ bushels of seed per acre. Write for prices.

### Table Showing the Quantity of Seed Usually Sown Upon an Acre

	Lbs.	Amt.		Lbs.	Amt.
	Per Bush.	Per Acre		Per Bush.	Per Acre
Alfalfa	60	20 lbs.	Millet, Japanese	35	10 to 15 lbs.
Barley, broadcast	48	2½ to 3 bu.	Millet, Siberian	48	12 to 15 lbs.
Beans, Dwarf, in drills	60	1 to 1½ bu.	Oats, broadcast	32	3 to 4 bu.
Beans, Pole, in hills	60	10 to 12 qts.	Onions, in drills		4 to 5 lbs.
Beets, Garden		6 lbs.	Onion Sets, in drills	32	8 to 10 bu.
Beets, Mangel Wurzel		6 lbs.	Orchard Grass	14	2 to 3 bu.
Buckwheat	48	1 bu.	Parsnip, in drills		5 lbs.
Cabbage		6 to 8 oz.	Peas, Smooth, broadcast	60	2 to 3 bu.
Carrot		3 to 4 lbs.	Peas, Garden, in drills	56	1¼ to 1½ bu.
Clover, Alsike	60	6 to 10 lbs.	Potatoes	60	10 to 12 bu.
Clover, Red	60	12 to 20 lbs.	Pumpkin, in hills		3 to 4 lbs.
Clover, White	60	6 to 10 lbs.	Red Top, clean seed	40	8 to 10 lbs.
Corn for Ensilage, in drills		½ to 1 bu.	Rye, broadcast	56	1½ to 2 bu.
Corn, in hills		10 qts.	Squash, in hills		4 lbs.
Cucumber, in hills		1½ to 2 lbs.	Sudan Grass		16 to 24 lbs.
English Rye Grass	24	2 to 3 bu.	Timothy	45	½ bu.
Hungarian	48	1 bu.	Turnip, broadcast		2½ to 3 lbs.
Kentucky Blue Grass	14	2 to 3 bu.	Turnip, in drills		1 to 2 lbs.
Lawn Grass	20	4 bu.	Vetches	60	½ to 1 bu.
Millet, Golden	48	1 bu.	Wheat, broadcast	60	1½ to 2 bu.

## FERTILIZERS

**VIGORO.** Complete plant food, for velvety-green lawns, large, beautiful flowers, luxuriantly foliaged shrubs and early delicious vegetables. Vigoro is odorless, easy to use and economical. Simple directions for feeding everything you grow in each bag or package. 12 Oz. Pkg., 10c; 5 lb. Pkg., 50c; 10 lb. Pkg., 85c; 25 lb. bag, \$1.60; 50 lb. bag, \$2.75; 100 lb. bags, \$4.50, f. o. b.

### Vigoro Spreaders

Vigoro Spreaders apply Vigoro and grass seed quickly and evenly, assuring a smooth velvety-green lawn. Write for descriptive matter and prices.

All prices quoted in this catalogue subject to change without notice.

WE SELL AND RECOMMEND

# Agrico and AA Quality Fertilizers

Manufactured only by  
The American Agricultural Chemical Co.

XL Superphosphate .....	3-10-4—100 and 50 lb. bags
Complete Manure .....	4-8-10—100 lb. bags only
Potato and Vegetables .....	4-8-7—100 lb. bags only
Agrico for Corn .....	3-10-6—100 lb. bags only
Agrico for Potatoes .....	4-8-10—100 lb. bags only

*Write for prices.*

## Pulverized Sheep Manure

A natural dressing for Lawns, Flower Beds, Vegetable Gardens, Golf Links, etc., and is the best of all manures for mixing with the soil for Greenhouse Plants.

It can be applied two or three times to the lawn during the season, at the rate of about one pound to thirty square feet, owing to the condition of the lawn.

For mixing with soil, take one part of manure to six parts soil. For making a liquid, take one pound of manure to five gallons of water, which can be used daily with safety, if necessary.

### PRICES:

5-pound bag.....25c	10-pound bag.....45c	25-pound bag.....85c
50-pound bag.....\$1.40	100-pound bag.....\$2.50	

## Stim-U-Plant

The magic plant food in tablet form. Contains highly concentrated, immediately available forms of plant food for use in stimulating all forms of plant life. Can be used in tablet or liquid form. Directions with every package. Include STIM-U-PLANT Tablets with your seed and plant order. 30 Tablets, 25c; 100 Tablets, 75c; 1,000 Tablets, \$3.50.

## Sulphate of Ammonia

Sulphate of Ammonia is a high-grade concentrated chemical. It must be applied correctly. Follow directions carefully. It has no odor; is all soluble, the effect can be seen a few days after applying. Produces crisp, succulent vegetables. Excellent for shrubs and flowers. Checks weeds and makes a wonderful velvety lawn.

2-pound package.....30c	5-pound package.....55c	10-pound package.....\$1.00
25-pound package.....\$2.00	100-pound bag.....\$4.00	

NITRATE OF SODA—AGRICULTURAL LIME—HYDRATE LIME for Spraying  
or Dusting—COMMERCIAL SULPHUR—LAND PLASTER

*Write for prices of quantity desired.*

All prices quoted in this catalogue subject to change without notice.

Inoculate all Legumes  
with

# Nitragin

The Original Legume  
Inoculator

GARDEN BEANS		GARDEN PEAS	ALFALFA and SWEET CLOVER
½ Bu. size.....	35c	½ Bu. size.....	35c
1 Bu. size.....	50c	1 Bu. size.....	50c
RED, ALSYKE, CRIMSON CLOVER		SOY BEANS	COW PEAS
½ Bu. size.....	35c	1 Bu. size.....	35c
1 Bu. size.....	50c	2 Bu. size.....	65c

Garden NITRAGIN for Peas, Beans and Sweet Peas. Can be used on any amount of seed up to 8 lbs. Price 25c.

*In ordering, be SURE to SPECIFY the KIND OF SEED that the Nitragin is wanted for.*

## INSECTICIDES AND FUNGICIDES

Ask or write for our spray chart, a complete guide on control measures for either Spraying or Dusting for all of our insect and fungi pests on vegetables, fruits, berries, ornamental trees, flowers, and shrubs. It will tell you when to spray or dust the quantity to use and how to apply.

### DORMANT SPRAYS

**DRY LIME SULPHUR.** For apples, pears, plums, and cherries, use 12 to 14 lbs. to each 50 gallons of water, for dormant spray. For summer spraying, use 3 to 4 lbs. to 50 gallons of water. Put up in 1 lb., 5 lb., 25 lb., 100 lb. and 200 lb. packages. Write for prices, giving the quantity desired.

**SUNOCO SELF-EMULSIFYING SPRAY.** For Scale, Aphis, Red Mite and Apple Red Bug. Sunoco will not freeze or deteriorate, mixes readily with hard or soft water. Does not injure skin or clothing, nor spraying machinery—it lubricates working parts. Put up in 1 gallon, 5 gallon, 15 gallon, 30 gallon and 50 gallon. Write for prices.

### LUCAS KIL-TONE GREEN ✦ CROSS BRANDS

**ARSENATE OF LEAD.** One of the most commonly used insecticides for eating insects. 1 to 2 lbs. to 50 gallons of water. Write for prices.

**ARSENATE OF CALCIUM.** Especially valuable as a spray to control the potato bug. Write for prices.

**BETTER MORT POWDER.** For Spraying. A combination Insecticide and Fungicide for potatoes. Kills potato bugs, repels flea beetle and mitigates blight.

**BETTER MORT SPECIAL.** Similar to above. Especially combined and prepared for dusting.

**MONOHYDRATED COPPER SULPHATE.** For making home made dust. Use 100 lbs. copper to 300 lbs. Chemical Lime.

**DRY BORDO-CLOROS.** For use wet or dry.

**PARIS GREEN.** One of oldest insecticides on the market for all eating insects. Write for prices. *Prices on above on application.*

**BLACK LEAF 40.** For control of all soft-bodied insects such as Apple, Wooley and Cabbage Aphis, Lice on fruit trees, shrubs, garden and sweet peas, without injury to foliage. 1 Oz., 35c; 5 Oz., \$1.00; 1 lb., \$2.25; 2 lbs., \$3.25; 5 lbs., \$5.85; 10 lbs., \$9.85.

**GREEN TOX 50.** A standardized Rolenone-Pyrethrin Plant Spray. Kills plant lice, worms, bugs, etc. on flowers, plants, vegetables and shrubs. Harmless to people, pets and plants. 1 Oz., 35c; 6 Oz., 75c; 16 Oz., \$1.50.

**POMO-GREEN WITH NICOTINE.** The Leaf Green All-in-One Dust or Spray. A complete insecticide and fungicide combined, practically invisible. It can be used effectively against both chewing and sucking insects (Aphis) and will control most of the diseases of flowering plants and shrubs. 1 lb. packages, 75c.

**BUG DEATH.** An effective Insecticide and Fungicide for killing certain plant eating insects. Contains no arsenic, paris green or other high poisons. No danger to man or beast. 1 lb. pkg., 20c; 5 lb. pkg., 75c; 12½ lb. pkg., \$1.35; 100 lb. bag, \$10.00.

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FARM

# Planet Jr.

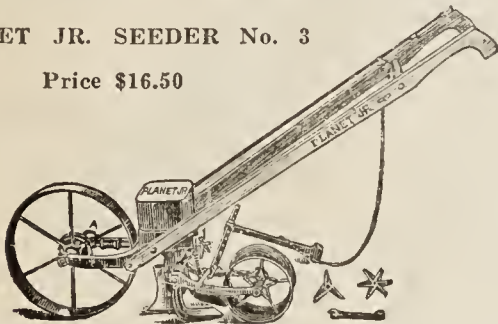
GARDEN

## TOOLS

Seeds, no matter how good cannot grow without proper care. Plant them at the proper depth and properly spaced in narrow rows. Keep the ground loosened up around your growing plants, to retain the moisture, and above all kill the weeds before they get a start. The best gardeners are only satisfied with the best equipment. Planet Jr. Garden Tools have been leaders in this field and favorites with fussy gardeners all over the world for more than sixty years. Send for complete Planet Jr. Catalog.

PLANET JR. SEEDER No. 3

Price \$16.50

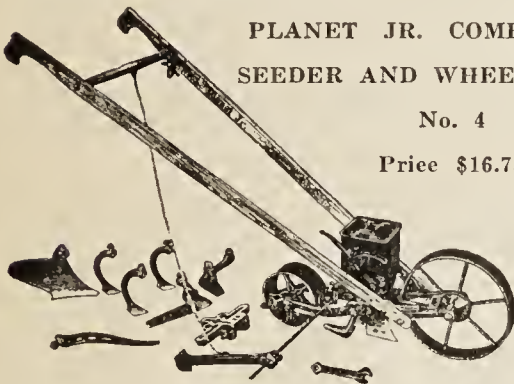


Made for the market gardener or farmer who has a good sized garden. Hopper holds three quarts—enough to plant about one-quarter acre in seed. Plants practically all vegetable seeds in straight, narrow, continuous rows or dropped in hills 4, 6, 8, 12 or 24 inches apart. Marks the next row at the same time. Seed control and shut off located at top of handle, making easier operation.

PLANET JR. COMBINED SEEDER AND WHEEL HOE

No. 4

Price \$16.75



The No. 4 is a combination of the most useful tools for a moderate sized garden. Plants almost all vegetable seed in continuous rows or in hills 4, 6, 8, 12 or 24 inches apart. A plow adjustable for depth opens a straight, narrow furrow, the seeds are dropped in it, are covered and the soil firmed and the next row marked out all in the same operation. Converted into a Single Wheel Hoe by changing one bolt. Cultivating equipment includes all the essential equipment for hoeing, weeding, cultivating, plowing, furrowing, ridging, etc. The tools are oil hardened and tempered and will wear almost indefinitely.

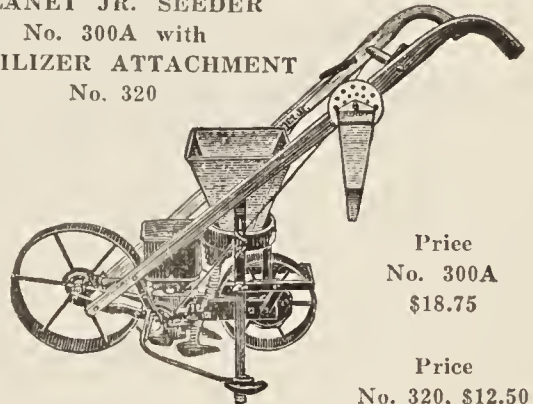
Planet Jr. Seeder No. 4D—Price \$13.50

This is a plain seeder without the cultivating attachments.

Planet Jr. Seeder No. 25—Price \$21.00

In operation the No. 25 Seeder is exactly the same as the No. 4 but can be changed into a Double Wheel Hoe instead of a Single Wheel Hoe. Cultivating equipment includes a pair of hoes, four cultivator teeth, a pair of plows and two leaf lifters.

PLANET JR. SEEDER No. 300A with FERTILIZER ATTACHMENT No. 320

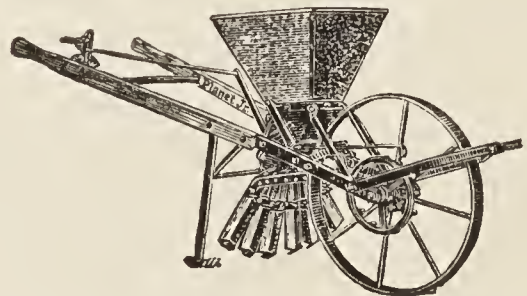


Price No. 300A \$18.75

Price No. 320, \$12.50

This is the best all around seeder for market gardeners. It sows thru holes in a thin seeding plate and as there are 39 holes it will handle any seed from the smallest up to small lima beans. It plants with entire accuracy and without cracking the seed.

The No. 320 Fertilizer Attachment for this seeder can be used to place two narrow bands of fertilizer on each side of the row as the seed is being planted or for putting formaldehyde dust directly on the seed. It can also be used for side-dressing growing crops. Agitation of the fertilizer is constant and the accuracy of sowing practically 100%. The quantity can be adjusted from 100 to 1500 pounds of dry commercial fertilizer per acre in 12 inch rows or from 20 to 450 pounds of formaldehyde dust.



PLANET JR. FERTILIZER DISTRIBUTOR

No. 220—Price \$26.00

The No. 220 will handle any commercial fertilizer and will distribute it equally in any desired quantity. It distributes the fertilizer thru six adjustable spouts spreading from 4 to 30 inches on the ground. Special gates are furnished which permit distribution thru only the two middle spouts or 2 or 3 spouts on either right or left hand side. The quantity of fertilizer can be accurately regulated from 200 to 2,000 pounds per acre.

All prices quoted in this catalogue subject to change without notice.

FARM

## Planet Jr.

GARDEN

## TOOLS

PLANET JR. DOUBLE  
WHEEL HOE No. 12

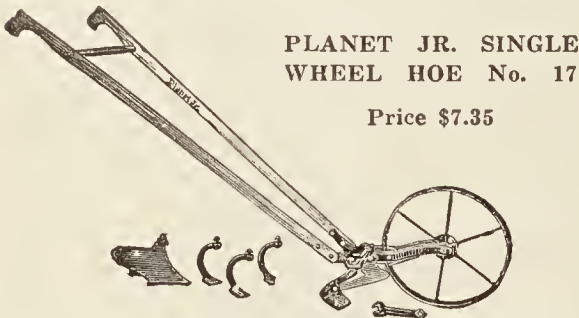
Price \$10.25



Equipment includes attachments needed in the average garden. One pair 6 inch hoes for shallow cultivation and weeding, four cultivator teeth for deeper and general cultivation and a pair of plows for plowing, furrowing and ridging and a pair of leaf lifters which are useful in protecting the leaves and vines when crops are maturing. As a Double Wheel Hoe it will straddle crops 20 inches high, cultivating both sides at once. Easily changed to a Single Wheel Hoe for working between rows. Made entirely of steel and practically indestructible.

PLANET JR. DOUBLE WHEEL HOE No. 13  
Price \$7.60

The No. 13 is the same as the No. 12 but is equipped with one pair of 6 inch hoes only.

PLANET JR. SINGLE  
WHEEL HOE No. 17

Price \$7.35

Very popular because equipment includes just the attachments needed in the average garden. A pair of 6 inch hoes for weeding and shallow cultivation, three cultivator teeth for deeper and general cultivation and a plow with landside for hilling, furrowing, ridging and plowing. Light and easy to handle. All steel—unbreakable.

PLANET JR. SINGLE WHEEL HOE No. 16  
Price \$8.50

The No. 16 is the same as the No. 17 above but in addition to the No. 17's equipment has one three-tooth and one five-tooth rake and a leaf lifter.

PLANET JR. SINGLE WHEEL HOE No. 18  
Price \$5.50

The No. 18 is the same as the No. 17 but is equipped with one pair of 6 inch hoes only.

PLANET JR. GARDEN  
PLOW No. 119

Price \$3.75



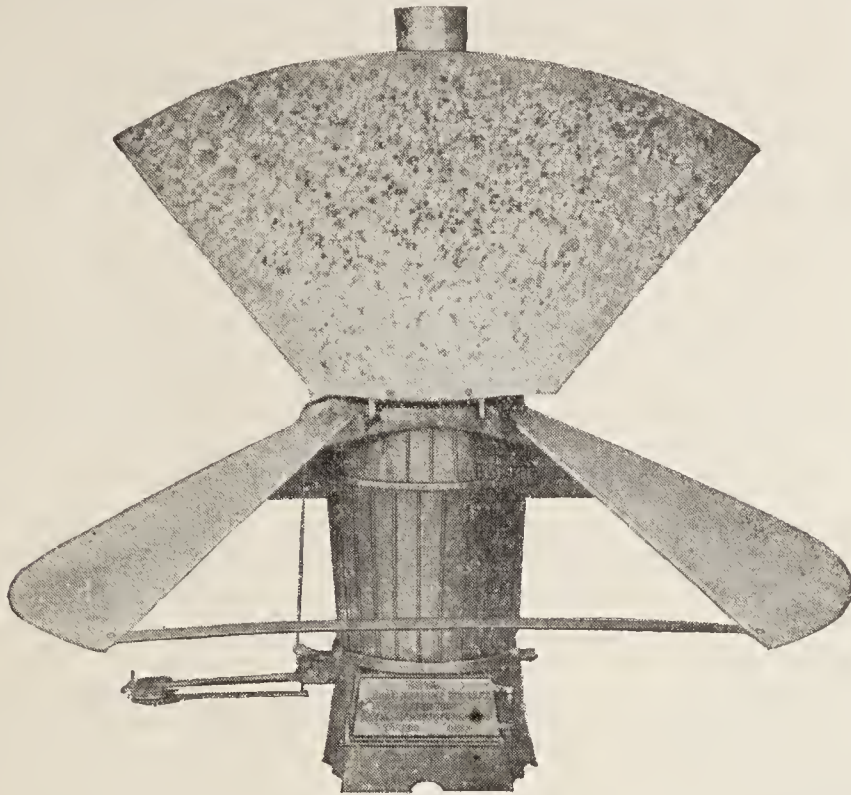
A sturdy and inexpensive garden plow and cultivator. For those liking the high-wheel this tool is the favorite. Equipment includes a large plow, a scuffle blade and three cultivator teeth. Due to the large wheel this tool pushes very easily.

PLANET JR. No. 119W GARDEN PLOW  
Price \$3.75

Is the same as the No. 119 but has a five-prong forged spring steel cultivator attachment in place of the reversible scuffle blade.

PLANET JR.  
FERTILIZER AND  
GRASS SEED  
SPREADER  
Price \$5.50

The No. 210 will handle any of the commercial fertilizers, spreading it in even bands 14 inches wide in any desired quantity. The amount of fertilizer can be accurately regulated by a convenient lever on the back of the hopper.



### ROYAL COAL BROODERS

All Royal stoves are built to burn hard, soft coal or coke. This a splendid feature in case of coal shortage. Royal stoves are equipped with a half throw over damper in the pipe collar which can be used or not as the user elects. This is a very decided advantage where it is necessary to switch from hard to soft coal. Royal stoves are equipped with *double draft control, automatic regulation, new style canopy, and absolutely guaranteed.*

- No. 5— 500 Chick Capacity, 52 in. Hover. Weight 100 lbs.....\$16.00
- No. 6—1000 Chick Capacity, 56 in. Hover. Weight 120 lbs.....\$19.00

### AUTOMATIC OIL BURNING BROODERS

The New JAMESWAY—New Adjuster—New Draft Equalizer. So simple in construction and so easy to run that a child can operate it. With this new air adjuster, thermostatically controlled fuel regulator and draft equalizer, makes possible the maximum amount of heat from the fuel consumed and positive control under varying conditions. Furnished with the hover, one length of fue with draft equalizer, feed pipe with clean out rod, overflow pipe, automatic regulator, eight gallon tank with filter and stand.

- No. 1146—Brooder, 21 in. drum, 52 in. hover, capacity 400 to 500 chicks.....\$20.00
- No. 1142—Brooder, 24 in. drum, 52 in. hover, capacity 400 to 500 chicks.....\$22.00

### Royal "Handy" Oil Brooder

One of the handiest, most economical and efficient small brooders you can find. Comes equipped with a standard, well known make of burner, protected by heavy metal screen to safeguard chicks. Burner and one gallon metal oil fountain are shipped completely assembled and ready for use. Canopy is of heavy gauge galvanized iron with strong roll rim. Six strong steel detachable legs support canopy.

- No. 40—42 in. canopy, 500 chick capacity.....\$12.00

### Royal Electric Brooders

A trouble proof, practical, inexpensive brooder with 50 to 75 chick capacity. Comes equipped with 50 watt protected heating unit. 24 in. galvanized canopy with strong steel legs. Complete with 10 ft. cord. Price \$3.00.

## PUTNAM BROODER HEATER

By using this heater one can make at home a brooder suitable for from 35 to 60 chicks at very little expense. The materials used to make it are one shoe box, one-sixth yard of oilcloth and one Putnam Brooder Heater. A boy can build one in an hour and it will take better care of the chicks than any brooder made. Guaranteed to give satisfaction. Only \$4.75 postpaid.

## POULTRY HOUSE VENTILATOR

A Hudson quality revolving ventilator built to give long and dependable service. Made of highest quality rust resisting copper alloy galvanized metal and finished with heavy coat aluminum weather-proof paint. Head perfectly balanced on pivot. Lower bearing is moisture and frost proof. A galvanized screen makes cupola bird proof and is removable if desired.

No. 512—12 in. flue, 32 in. high, 16x16 in. base. Price.....\$7.00

## *Poultry Fountains and Feeders*

### Open Top Fountain

The tank is firmly attached to a heavy one-piece pan and fills from the top. Provides drinking space as follows:

No. 250—3 gallon size, about 4 feet.....\$1.75  
No. 252—5 gallon size, about 5 feet..... 2.25

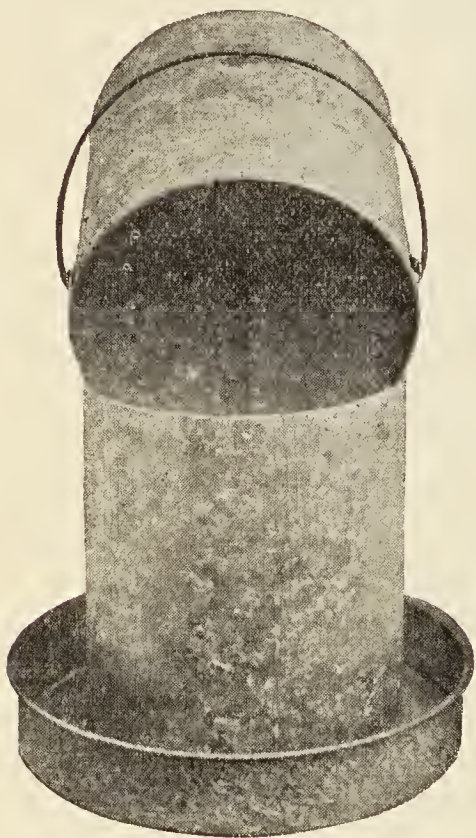
### Royal Fountains—Top-Fill

These fountains can be used for either chicks or grown fowls. One of the best sellers in our entire line. Filled from the top, the water feeds automatically through a small hole with brass spring valve, into drinking pan. Extra heavy bail permits carrying water in outer pail and pouring into fountain without removing it from brooder or poultry house.

No. 205—5 gallon.....\$2.00  
No. 208—8 gallon..... 2.50

### Royal Open Top Heaters

A splendid heater for the above fountains. It is of the open type with hinged door on side so lamp can be taken out for trimming of wick and refilling. Price \$1.40.



### Hudson Handy Fill Chick Fountain

Made of heavy galvanized iron. Top has swinging bail for carrying when filled. One piece drinking pan has smooth rolled edges. Easy to fill—easy to clean.

No. C2—Capacity 2 gallons.....\$1.10  
No. C3—Capacity 3 gallons..... 1.35

### Royal Gallon Size Fountains

Heavy galvanized iron in 2 pieces. Top has bail for carrying. Bottom pulls off to fill. Special deep, narrow pan for chicks. Price 50c.





### Bottom Filled Fountain

Made of heavy galvanized iron. This makes a very good, inexpensive fountain, easily cleaned and filled.

- No. 25—1 quart .....25c
- No. 50—2 quart .....30c
- No. 75—1 gallon .....40c

### ROYAL GROWN FOWL FEEDERS

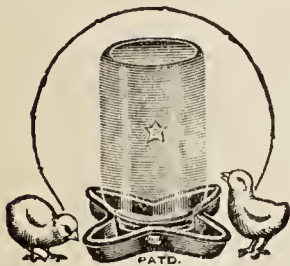
These feeders are built to feed dry mash, wet mash and green feed. The trough is made of heavy galvanized iron and has hinged wire grill top which prevents fowl from getting into trough and wasting feed. Has full 1-inch lip on each side and is easily cleaned. With galvanized channel iron stand. Perch 14 inches above floor.

- No. 60—Length 60 inches.....\$3.75
- No. 96—Length 96 inches.....\$5.50

No. F4—BEST-OF-ALL GROWING CHICK FEEDER. Regular guard wire spacing 1 3/8 in. Rigid 26 gauge galvanized iron welded ends. 48 in. long. 8 feet feeding space. Price \$1.25.

No. F7—BEST-OF-ALL LONG CHICK FEEDER. Trough 4 1/2 inches wide, slopes to center. Adjustable reel guard for day old chicks to 8 weeks. 48 inches long. Price 80c.

No. F2G.—UTILITY CHICK FEEDER. 56 inches feeding space. Equally as good for watering. Grid wires correctly spaced. Easily attached or removed for cleaning. 4 inch wide trough. Price 35c.



ECONOMY CHAMPION CHICK FEEDER AND WATERER. Similar to the above except it has a single adjustable wire guard.

- F0—12 in.....15c
- F1—18 in.....20c
- F2—24 in.....25c

The Poultry Waterers and Feeders mentioned in this catalogue are only a small part of the varieties we have on hand. Visit our store and be convinced that we have the largest stock of poultry supplies in the city, at lowest possible prices.

### EGG PRESERVATIVE—Water Glass

Saves money and helps keep down the high cost of living. Put your eggs down in the spring, when they are cheap and keep them fresh for winter use.

- 1 Pint, 15c—will put up 8 to 10 dozen eggs
- 1 Quart, 25c—will put up 16 to 20 dozen eggs

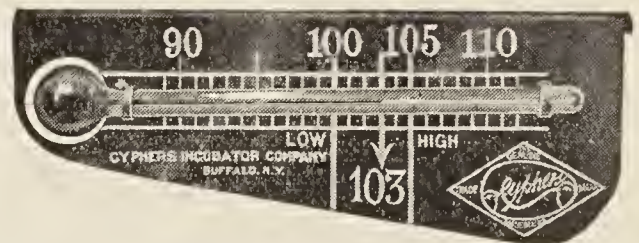
### CYPHERS INCUBATOR THERMOMETERS

These thermometers are thoroughly and expertly tested before leaving the factory.

Price, 75c each. By Parcel Post, post-paid, 80c each.

#### Brooder Thermometers

Price, 75c each. By Parcel Post, post-paid, 80c each.



### THE TRIUMPH CAPONIZING SET

There is no doubt in the minds of up-to-date poultrymen as to the advantages of caponizing. The operation is very simple. With a "Triumph Caponizing Set" anyone can perform it with safety and thoroughness. Price, postpaid, per set, \$3.00.

All prices quoted in this catalogue subject to change without notice.

### COLORED SPIRAL LEG BANDS



These leg bands are made in 9 different colors: Black, Buff, Dark Blue, Light Blue, Pink, Red, White, Green and Yellow. No. 1 for Asiatic, large fowl and turkeys; No. 2 for American breeds; No. 3 for Mediterranean breeds; No. 5, day old chicks.

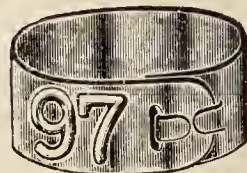
Prices, postpaid: 1 dozen, 15c; 2 dozen, 25c; 50, 40c; 100, 75c.

**DOUBLE CLINCH**, No. 3, for American females. Made of aluminum with large raised numbers. Numbered from 1 to 100.

Prices, postpaid: 1 dozen, 15c; 2 dozen, 25c; 50, 40c; 100, 75c.

**ADJUSTABLE**. Made of aluminum with strong and secure fastenings and raised figures. Numbered from 1 to 100.

Prices, postpaid: 1 dozen, 15c; 2 dozen, 25c; 50, 40c; 100, 75c.



### Poultry Killing Knives



Large wood handle with three-inch finely tempered high grade steel blade. On account of the size of the handle it is very convenient to use. Price, 40c; postpaid, 50c.

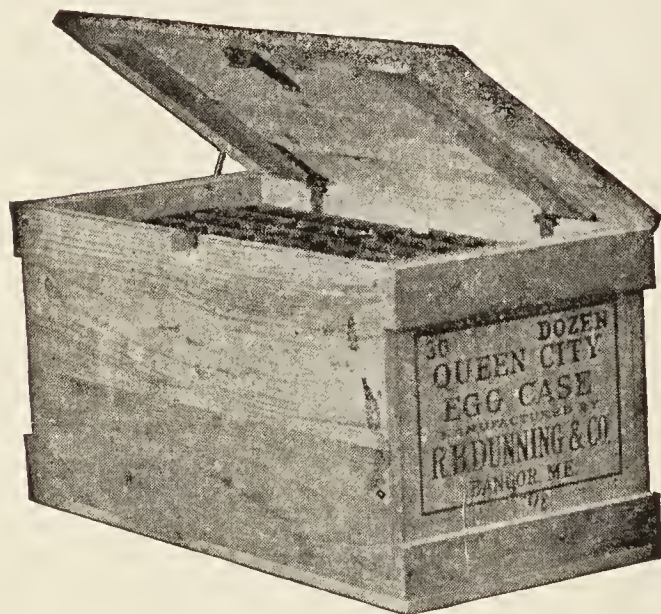
### QUEEN CITY EGG CASE

The most popular egg case in the market, with patent hinges and fastener. Made of selected lumber and very thoroughly made. Very strong and durable.

These egg cases are made to conform to the express companies' requirements, having *Extra Deep Fillers* to accommodate extra large eggs and *Safety Egg Cushion Egg Flats* to prevent breakage.

8 Dozen Case.....	\$1.35
15 Dozen Case.....	1.85
30 Dozen Case.....	2.25

**EGG CASE FILLERS.** For 30 Dozen Case, 45c; 15 Dozen Case, 30c; 8 Dozen Case, 25c. Prices on large lots on application.

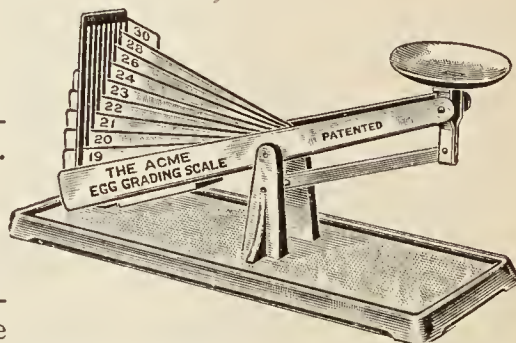


**EGG CARTONS.** Just the thing for family egg trade. Shipped knocked down, easily set up. Price, 15c Doz.; \$1.00 per 100. For larger lots, write for prices, giving quantity desired.

### THE ACME EGG GRADING SCALE

*Automatic—Accurate—Convenient*

The most popular Egg Grading Scale on the market. Graded eggs mean a higher market value. Price \$2.35.



### SELL EGGS BY MAIL

Shipped in Aluminized Metal Egg Crates—Indestructible. Will last many years. The Metal-Edge Filler is the very best for service and safe carrying of eggs. Light in weight and very strong. 1 dozen size, \$1.00; 2 dozen size, \$1.50; 3 dozen size, \$1.75; 4 dozen size, \$2.00; 6 dozen size, \$2.50.

**NEST EGGS.** Opal Nest Eggs.....40c per dozen

All prices quoted in this catalogue subject to change without notice.

THE DR. HESS PRODUCTS



DR. HESS STOCK TONIC — Used with success for more than 40 years; now improved in keeping with latest tested and proven feeding practices. Minerals needed by heavy producing dairy cows have been increased;

whets appetite; sustains milk flow well thru lactation period. Valuable at calving time; increase profits from steer feeding; puts horses and mules in condition.

100 lb. Drums .....	\$8.50
25 lb. Pkg. ....	2.50
15 lb. Pkg. ....	1.75
5 lb. Pkg. ....	.65
3 lb. Pkg. ....	.45

DR. HESS POULTRY PAN-A-MIN—Known to poultry raisers for 40 years as Dr. Hess Poultry Pan-a-ce-a; now greatly improved by the addition of minerals needed for quick feather growth; starts pullets and moulted hens to laying. Its tonics promote appetite; keeps hens healthy; does not take the place of feed—but no feed can take the place of Pan-a-min.



100 lb. Drums .....	\$8.50
25 lb. Pkg. ....	2.50
15 lb. Pkg. ....	1.75
7 lb. Pkg. ....	.85
3 lb. Pkg. ....	.45
1½ lb. Pkg. ....	.25



DR. HESS INSTANT LOUSE KILLER—Kills lice on stock and poultry, bugs on cucumber, squash, melon vines—slugs on rose bushes. Put it in the hens' dust bath. They will work it down into the feathers where the lice are. If badly infested apply direct to animal's or fowl's body.

May be used on edible plants with safety. In handy sifting top cans.

2½ lb. Pkg. ....	50c
1 lb. Pkg. ....	25c

DR. HESS POULTRY TABLETS —Valuable in treatment of Roup; slightly astringent, non-irritating and healing. Used as a local antiseptic and to medicate drinking water. Aids in preventing disease. Once dissolved the solution needs no further stirring.



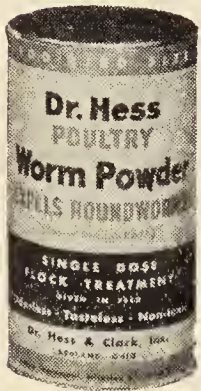
Package of 100 Tablets, 50c
Package of 45 Tablets, 25c



DR. HESS CHICK TABLETS —Effective for diarrhoeal discharges of both baby chicks and grown birds; a bowel astringent given in drinking water. Once the tablets are in solution they remain so indefinitely. The water is thoroughly medicated and is all good until used.

Package of 100 Tablets, 50c
Package of 45 Tablets, 25c

THE DR. HESS PRODUCTS

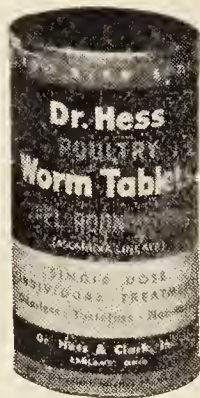


DR. HESS POULTRY WORM POWDER—A proven single-dose flock treatment for round worms. Given in mash the expulsion of worms starts in a few hours and is usually completed in from 24 to 36 hours. No fasting or laxatives required. Does not check egg production.

- 2½ lb. Pkg., 1000 Bird Size.....\$5.40
- 1¼ lb. Pkg., 500 Bird Size..... 3.00
- 10 Oz. Pkg., 250 Bird Size..... 1.90
- 4 Oz. Pkg., 100 Bird Size..... .90
- 2 Oz. Pkg., 50 Bird Size..... .50

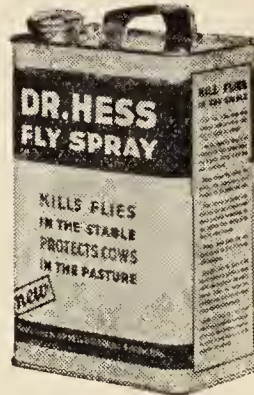
DR. HESS POULTRY WORM TABLETS—The active ingredients of DR. HESS POULTRY WORM POWDER in tablet form for individual treatment.

- 1000 Tablets, \$6.50
- 500 Tablets, 3.50
- 250 Tablets, 2.00
- 100 Tablets, 1.00
- 40 Tablets, .50



DR. HESS HYPOCHLORITE DAIRY RINSE—A germicide and bactericide in powder form for dairy utensils and all milk handling equipment. Used also for deodorizing sinks, refrigerators and food containers of all kinds.

- 1 lb. Bottle.....\$2.00
- 6 Oz. Bottle..... 1.00



DR. HESS FLY SPRAY — For horses, mules, cows, steers and all farm stock. Stainless, and the results of 20 years of tests and research. Keeps animals at ease while grazing and kills flies in stables. Use it on your cows

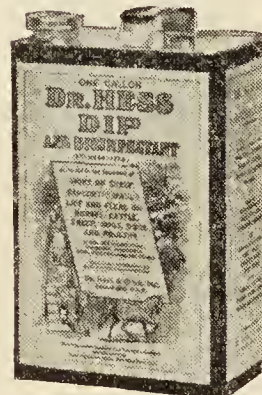
and get more milk. Brings a pure pleasant odor to barns and stables.

See your dealer for new low prices in one gallon cans and in bulk.

DR. HESS UDDER OINTMENT — A penetrating, soothing emollient for bruised, caked or swollen udders, cracked or chapped teats and other bruises or superficial injuries.



- 7 Oz. Can.....50c



DR. HESS DIP AND DISINFECTANT — A high - grade standardized insecticide with an established carbolic acid coefficient. Always uniform in strength; emulsifies without streaks or settlings and stays that way indefinitely. Kills

foul odors. For sheep, horse stables, dairy barns, hog pens, poultry houses, dog kennels, and general disinfecting.

- 1 Gallon Cans.....\$1.50
- ½ Gallon Cans..... .90
- 1 Quart Cans..... .50



# COMPRESSED AIR SPRAYERS

## THE HUDSON PERFECTION



is the highest pressure compressed air sprayer made. May be used for spraying small orchards, vineyards, truck gardens, field crops, flowers, ornamental shrubs, shade trees, for whitewash, cold water paints, shingle stain, removing old wall paper, resizing walls, etc.

Capacity 4 gallons. Top, bottom and side riveted with brass rivets and securely soldered. Pump seamless brass, 1 3/4 inches diameter. Discharge hose 27 inches. High pressure nozzle, Perfection automatic shut-off, all brass with 2 foot brass extension.

- No. 110B—Brass Tank .....\$9.00
- No. 115G—Galvanized Tank, 3 1/2 Gallon, 18 inch Extension .....\$4.35

## ACME SELF-FILLING SPRAYER

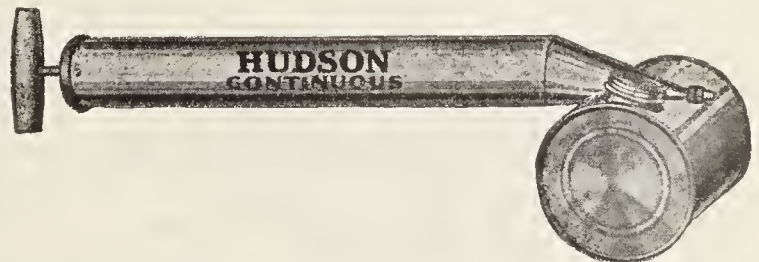
The demand for Self-Filling Sprayer continues to increase by leaps and bounds. This sprayer has a built-in funnel shaped top. It enables you to fill the tank from a bucket without wasting a bit of the spray material. The filler top is screwed in. Tank, self-filling, 3 3/4 gallon capacity. Pump

14 in. x 1 3/4 in. Seamless brass bronze ball check valve screwed into top of tank by all brass plug. Nozzle, Acme Automatic. All brass working parts easily removable. Equipped with detachable brass extension.

- No. 500G—Galvanized Tank .....\$4.60

## Hudson Continuous Sprayer

The No. 432 Hudson Continuous Sprayer is an exceptionally sturdy outfit. Pump passes directly through the top of the tank and is securely soldered, preventing parts getting out of alignment. Handles all solutions which are sediment free. Produces a very finely divided continuous spray. Tank, 4 inches diameter, 4 inches long. Capacity approximately one quart. Price 75c.



all solutions which are sediment free. Produces a very finely divided continuous spray. Tank, 4 inches diameter, 4 inches long. Capacity approximately one quart. Price 75c.

## The No. 427G Critic Continuous Sprayer

meets the demand for a continuous sprayer with detachable container. Glass tank, capacity 24 ounces. Wide mouth makes filling, emptying and cleaning an easy task. Produces a very fine spray. Price \$1.20.

## HUDSON HANDY SPRAYER

Is adapted for use about the yard, garden, poultry house, etc. Capacity about a quart. Carefully made of good material, tested and inspected.

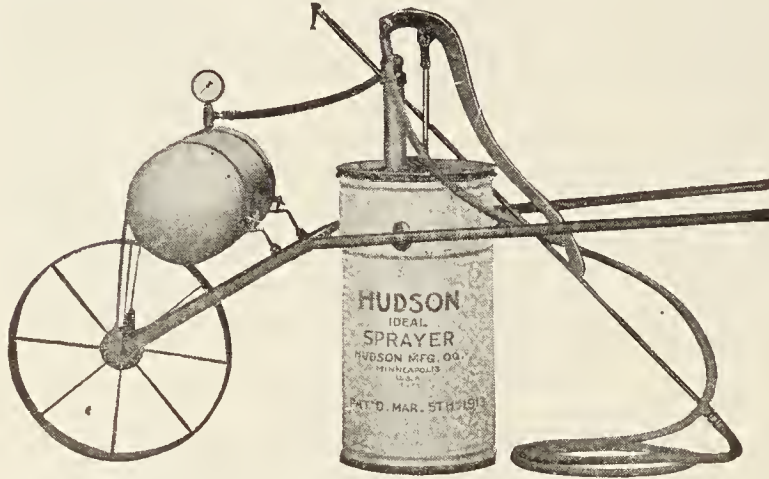
- No. 440—Handy. Price.....40c

## HUDSON MIDGET SPRAYER

The Midget is a small, well made sprayer for general purposes, especially adapted for use in and about the home. Handles all kinds of liquids satisfactorily. Holds about 3/4 pint. Price 30c.

### HUDSON G2½ SPRAYER

The G2½ Glass Jar Sprayer is a small, inexpensive model for household use. Capacity 3½ Oz. Permits safe use with solutions which attack tin and other metals. Price 15c.



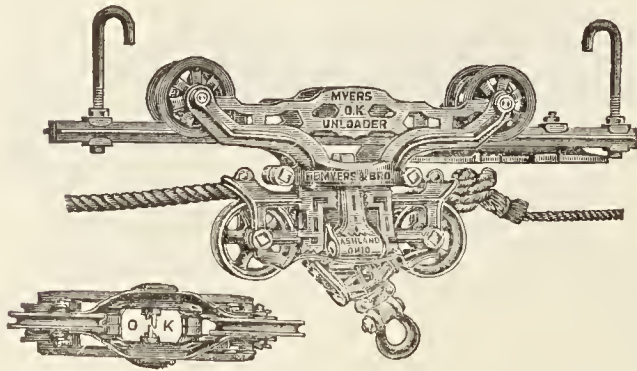
### IDEAL SPRAY OUTFIT

This new model represents the very latest ideas in design, capacity, strength, and efficiency in Wheelbarrow Sprayers. The new larger diameter tank, corrugated for strength and appearance, with all danger of tipping eliminated; the special tubular non-clogging intake strainer and dasher agitator; the boiler iron air pressure chamber with its sturdy anchoring; the husky tubular steel frame with sturdy channel iron cross braces; the big wheel for

easy portability; all are important to its efficient performance. For white wash or other liquids with sediment, disconnect short hose from pump head to gauge and attach long hose directly to pump head.

- No. 35S—Complete with Pressure Tank and Gauge.....\$30.00
- No. 34S—Less Pressure Tank and Gauge..... 20.00

## MYERS HAY UNLOADING TOOLS

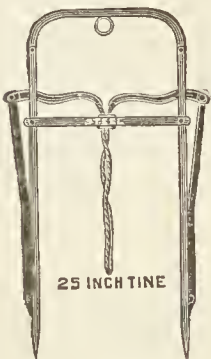


A test of over fifty years has demonstrated the superiority of the Myers Hay and Grain unloading tools. They are now universally known and acknowledged to be the best made, most practical, simplest in construction and they meet all requirements.

- No. 201—Myers O. K. Unloader for double steel track, standard sheaves. Price .....\$10.25
- No. 208—Myers O. K. Unloader with extra long truck and 7 in. sheaves for rope, is especially designed for heavy work. Price..... 12.50

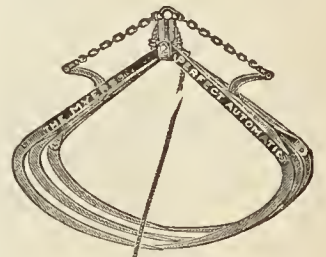
- No. 50—Hudson Carrier for 4 x 4 wood track. Price..... 10.00
- Myers Patent Double Steel Track. Price, per foot..... .23
- No. 302—Steel Track Hanger Hooks. Price each..... .18

### HAY CARRIER OUTFITS



Double Harpoon Hay Fork

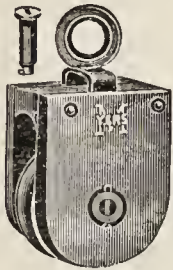
- 25 inch Double Harpoon .....\$2.50
- 31 inch Double Harpoon ..... 2.75
- 31 inch No. 1314—Strongest and Stiffest Double Harpoon Fork on the market..... 3.00
- No. 671—Lock Lever ..... 6.50
- No. 773—Nellis Fork ..... 5.00



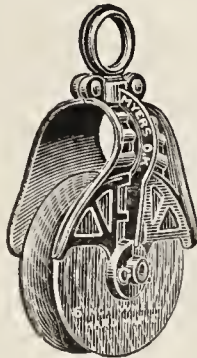
GRAPPLE FORK

- 4 Tine.....\$10.00
- 6 Tine..... 12.50

All prices quoted in this catalogue subject to change without notice.



No. 466



No. 1133



No. 486



No. 1124



End Stop



Rafter Bracket

No. 466—O. K. Wood Pulley with Steel Yoke, 1-inch hollow axle.....				\$ .65	
No. 1133—Plain Pulley, 6-inch maple sheave, malleable frame.....				.65	
No. 486—Floor Pulley with eye at the top to fasten up.....				.70	
No. 1124—Fork Pulley with swivel clevis to fasten to fork.....				1.25	
Rafter Brackets.....	.05	End Stop.....	.12	Floor Hooks.....	.20

### THE MYERS NEW-WAY GIANT TUBULAR GIRDER TRACK

*Bird, Dust and Vermin Proof.* Will carry an unusually heavy door.

*With or Without Cover.* Each piece of track provided with a hole through which the bearings can be oiled.



No. 17—Myers New-Way Giant Tubular Track in 4, 6 and 8 ft. lengths.....	21c foot
Intermediate Brackets.....	15c each
End Brackets.....	15 each
No. 18—Galvanized Cover in 4, 6 and 8 foot lengths. Per foot.....	12c

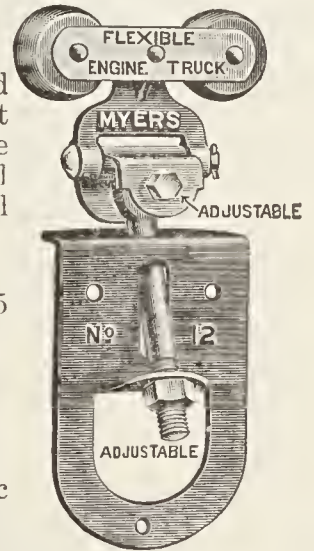
### Myers New-Way Giant Adjustable Door Hanger

For Tubular Girder Track. Adjustable to and from building and to raise and lower door. To be used with or without cover—a most complete and satisfactory hanger. The rollers or track wheels are large in diameter, accurately machined from a solid piece of steel and fitted with hard steel roller bearings, revolving on large steel axles.

No. 12—Myers New-Way Giant Door Hanger, complete with bolts .....	\$2.25
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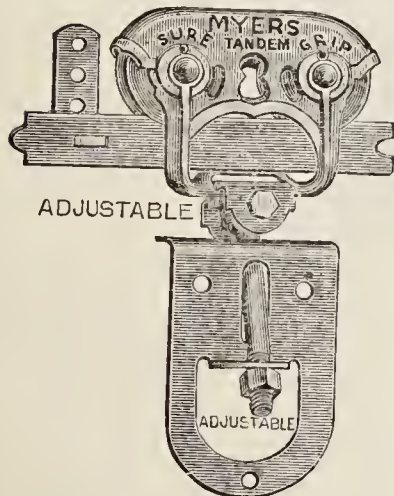
No. 860—Myers Heavy Steel Track. 4, 6, 8 and 10 ft. lengths. Per foot .....	8½c
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### Myers Sure Grip Tandem Adjustable Door Hanger

The perpendicular and lateral adjustments are made with an ordinary wrench, and at the will of the user. Runs on No. 860 track.

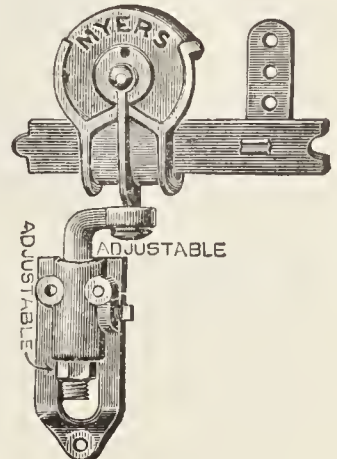
No. 5—Sure Grip Hanger, complete with bolts. Per pair.....	\$2.00
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### Myers Right Angle Garage Door Hanger

Rolls around the corner. For inside or outside doors on any building. Storm and weather proof. Designed especially for doors on barns, warehouses and garages where space must be considered.

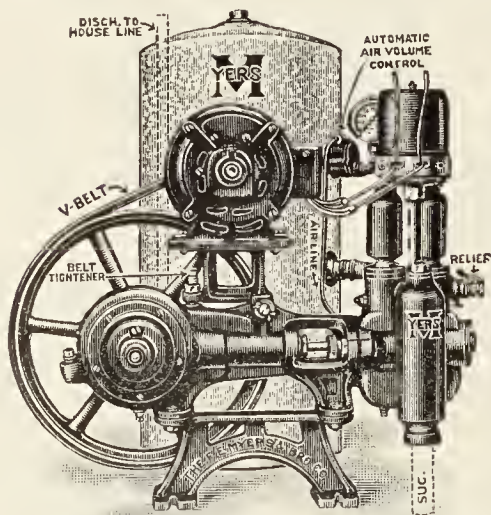
No. 27—Myers Adjustable Door Hanger with bolts. Per set of 3, \$3.00; each, \$1.00
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## MYERS WATER SYSTEMS

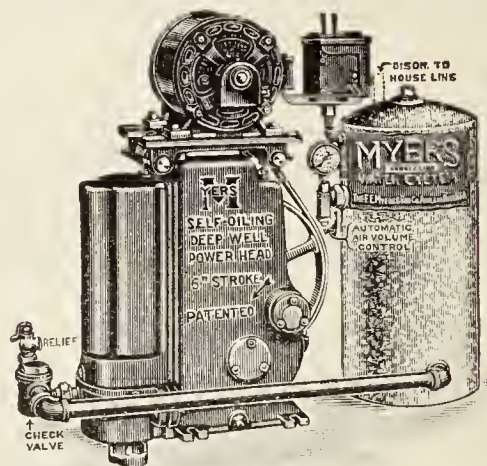
*For Homes, Farms, Country Estates, Public and Private Institutions,  
Golf Courses, Summer Camps, Service Stations, Etc.*

MYERS PRICES HAVE BEEN CONSISTENTLY REDUCED  
SINCE 1924—MYERS PRODUCTS HAVE BEEN CON-  
TINUALLY IMPROVED AND REFINED.



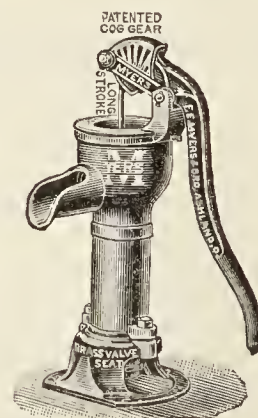
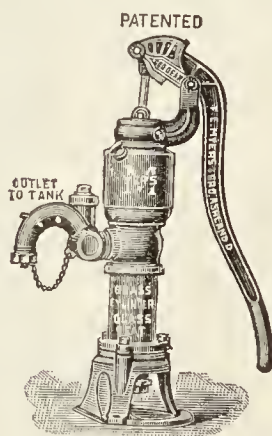
### SHOAL WELL PUMPS

Capacities 250 to 9000  
gallons per hour.



### DEEP WELL PUMPS

Capacities 160 to 10,000  
gallons per hour.



We also carry a full line of the celebrated MYERS HAND PUMPS  
for shoal and deep well requirements.

*Send for Complete Catalogue of Pumps*

All prices quoted in this catalogue subject to change without notice.

Mastery in Paints **MASURY** Since 1835

1935 MARKS THE 100th ANNIVERSARY OF MASURY PAINTS



Four generations of Masury Paint Craftsmen have pledged themselves to the manufacture of the finest quality paint that skill and knowledge can produce.

Masury's Liquid House Paint

For exterior and interior house painting. An excellent working paint with extreme durability, with a spreading rate of 350 square feet, two coats, to each gallon. Uniformity of shade is assured, each color being made from its own tinted base. Every can bears a formula. Masury Liquid House Paint is the standard of Safety and Economy in paint buying.

	1 Gallon	½ Gallon	¼ Gallon	⅛ Gallon
Regular Shades .....	\$3.15	\$1.75	\$ .95	\$ .55
White for Inside and Outside.....	3.25	1.85	1.00	.60
French Green .....	4.10	2.25	1.20	.70
Maroon, Bottle Green, Bronze Green.....	3.25	1.85	1.00	.60

Masury's Semi-Paste House Paint

When one gallon of Raw Linseed Oil is added to one gallon of Masury's Semi-Paste House Paint, two gallons of good bodied, solid covering, easy working house paint are obtained. It is not necessary to add dryers as there are sufficient in the mixture to take care of a gallon of linseed oil.

	Gallons	Quarts
Regular Shades .....	\$3.20	\$ .95
White .....	3.25	1.00

Masury's Steadfast House Paint

A pure linseed oil paint for exterior or interior. It is medium priced and suitable for ordinary work.

	Gallons	½ Gallons	¼ Gallons
Regular Shades .....	\$2.20	\$1.30	\$ .75
White for Inside or Outside.....	2.35	1.35	.75

Masury's Porch Floor and Deck Paint

A solid covering, heavy bodied varnish paint, exceedingly hard, but with a maximum of elasticity, suitable for application to the floors of porches, both inside and outside. It will cover 550 square feet per gallon.

	Gallons	½ Gallons	¼ Gallons	⅛ Gallons
Regular Shades .....	\$3.15	\$1.75	\$ .95	\$ .55

Masury's Perfection Flat White and Colors

Your walls will remain with you long after the paint price is forgotten. Use a paint you can trust. These flats are attractive, washable, and durable. They can be used as an enamel undercoat or underbody and are recommended for that purpose.

	Gallons	½ Gallons	¼ Gallons	⅛ Gallons
White and Colors.....	\$2.50	\$1.45	\$ .80	\$ .45



REMEMBER--POOR PAINT--IS NOT CHEAP PAINT

Quality Paints

**MASURY**

For 100 Years



**Masury's Quick Drying Color Varnish Enamel**

This enamel works easily, covers well, flows perfectly and dries with a full high gloss. It dries in 4 hours, dust free in one hour. For use on all surfaces, interior and exterior. A willing hand—a brush—a can of Masury's Quick Drying Color Varnish Enamel and Presto—a brand new piece to brighten up that dull corner.

	Quarts	Pints	½ Pints	¼ Pints
White and Colors.....	\$1.65	\$ .95	\$ .55	\$ .30

**Masury's Gloss Wall Paint**

For walls or woodwork, brushes easily, and when dry and firm will stand repeated washings with ordinary soap and water. On account of its easy brushing, it is particularly usable on large surfaces. Very satisfactory for one coat application where it has been painted before.

	Gallons	Quarts	Pints
White and Colors.....	\$2.50	\$ .80	\$ .45

**Masury's All Purpose Black 1001 Uses**

This product dries in four hours, and can be successfully applied on any kind of surface where a brilliant, high gloss, jet black finish is desired.

	Gallons	½ Gallons	¼ Gallons	⅛ Gallons	1-16 Gallons
Per Gallon .....	\$3.00	\$1.60	\$ .85	\$ .50	\$ .30

**Masury's Nomar Varnish Stain**

This product is suitable for both exterior and interior use and is made in five shades. They are made for all purposes where it is desirable to retain the grain of the wood. They stain and varnish in one operation and are easily applied to old or new wood.

	Quarts	Pints	½ Pints
Five Colors, all.....	\$1.25	\$ .70	\$ .40

**Masury's Nomar Varnishes**

	Gallons	½ Gallons	¼ Gallons	⅛ Gallons	1-16 Gallons
Cosmolac .....	\$5.65	\$2.95	\$1.60	\$ .90	\$ .50
Elastic Spar .....	5.90	3.10	1.65	.95	.55
Quick Floor .....	4.65	2.50	1.35	.80	.45
Amber Floor .....	3.40	1.85	1.00	.60	.35
Durable Interior .....	2.90	1.60	.90	.55	.35
Egg Shell Gloss .....	4.65	2.45	1.35		
Four Hour Spar .....	2.90		.90	.55	
Liquid Dryer .....	2.40	1.35	.80	.50	.30

The above is only a very small part of our regular Masury line. We try to carry a complete line of Painters' and Paper Hangers' Tools and Supplies. *We Welcome Your Inquiries.*

**REMEMBER**—The best looking houses in your town are painted with **MASURY'S** Liquid House Paint, and stay the **BEST LOOKING** houses.

HANLON & GOODMAN COMPANY

**BALANCED RUBRISTO BRUSHES**

*Balanced to feel rite—Warranted to work rite*



**SPEE DEE**

Chiseled Flat Varnish

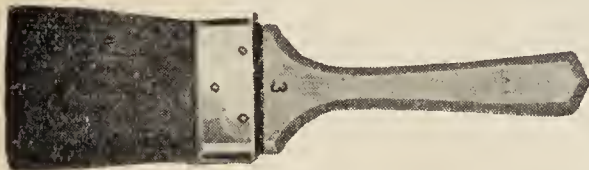
Width .....	1 in.	1½ in.	2 in.	2½ in.
Length of Bristle.....	2 in.	2 in.	2 in.	2¼ in.
Price Each .....	.10	.15	.20	.25



**No. 23 WALL**

Beaver Tailed Handle, Selected Chinese Bristles.

Width .....	3 in.	3½ in.
Length of Bristle .....	4 in.	4¼ in.
Price Each .....	\$1.50	\$1.60



**DIXIE**

Chiseled Flat Varnish

Width .....	1 in.	1½ in.	2 in.	2½ in.	3 in.
Length of Bristle .....	2¼ in.	2½ in.	2¾ in.	3 in.	3¼ in.
Price Each .....	.30	.35	.45	.60	.70



**RIVAL WALL**

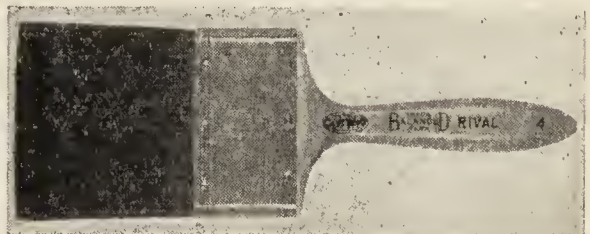
Selected Black Chinese Bristles

Width .....	3 in.	3½ in.	4 in.
Length of Bristle .....	3½ in.	3¾ in.	4 in.
Price Each .....	\$1.00	\$1.10	\$1.50



**UKALO KALSOMINE, No. 60**  
Black Chinese Bristle

Width .....	5½ in.
Length of Bristle .....	3½ in.
Price Each .....	\$1.25



**IN-TO-STAY WALL**

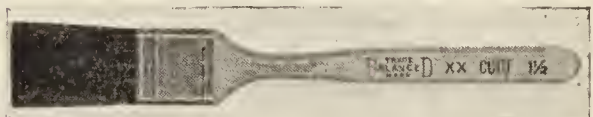
A Practical Brush for Home Amateur.  
Selected Black Bristle.

Width .....	2½ in.	3 in.	3½ in.
Length of Bristle.....	2½ in.	2¾ in.	3 in.
Price Each .....	.55	.75	.80



**PAPER HANGER'S SMOOTHER**  
Two Rows White Fibre.

Width .....	10 in.
Length of Bristle.....	2 in.
Price Each .....	.50

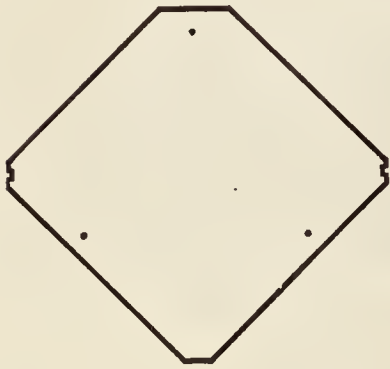


**FLAT TRIM SASH**

Plain Handle, Long Style, Black Chinese Bristle

Width .....	1 in.	1½ in.	2 in.
Length of Bristle .....	2¼ in.	2¾ in.	2¾ in.
Price Each .....	.30	.40	.55

# JOHNS-MANVILLE ASPHALT and ASBESTOS ROOFING



Underwriters' Label.

J-M No. 70  
Asbestos  
Shingles. Fire  
Proof, Rot  
Proof, Per-  
manent.  
Available in  
all colors.



## J-M 12 $\frac{1}{2}$ " STANDARD STRIP SHINGLES

A fast-laying, self-spacing, square butt strip shingle. Makes a very attractive, substantial roof. Available in Standard Red, Fieldstone Green, Standard Blue-Black and Brittany Blend.

Provides a 4" headlap; exposed 4" to weather. 100 strips, 3 bundles per square. Weight, approximately 240 lbs. per square. Underwriters' Class C label.



## J-M 12 $\frac{1}{3}$ " HEXAGONAL SHINGLES

A high quality, standard weight shingle, in the popular hexagonal pattern. Available in Standard Red, Fieldstone Green, and Standard Blue-Black.

Size 12 $\frac{1}{3}$ " x 36", exposed 4 2-3" to weather. 86 strips, 3 bundles per square. Weight, approximately 175 lbs. per square. Underwriters' Class C label.

*INEXPENSIVE*

*DURABLE*

*EASY-TO-LAY*

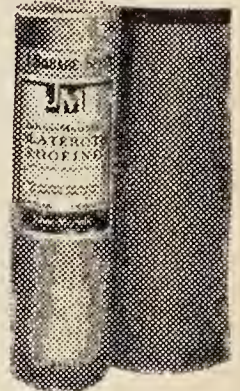
Johns - Manville  
Asphalt Roll  
Roofings are made  
in two general  
classifications:

Smooth-surfaced  
and Mineral-sur-  
faced for use  
where color is de-  
sired.

These Roll Roof-  
ings are produced  
on the basis of ex-  
perience and pro-  
gressive methods  
gained through  
nearly a half cen-  
tury of roofing  
manufacture. Be-  
sides the Pilot  
Roofing illustrat-  
ed, there is also  
the Slatekote and  
Planet Roofings.

We will welcome  
the opportunity to  
discuss these with  
you.

*Prices on  
application*





# JOHNS-MANVILLE INSULATING BOARD AND LATH

## ADVANTAGES WHEN USED AS SHEATHING

1. High insulating value—three times greater than wood sheathing inch for inch.
2. Saves fuel.
3. Has great structural strength and rigidity.
4. Eliminates building paper.
5. Applied in one-half to one-third the time it takes to apply wood sheathing.
6. Keeps out unwanted dampness and dangerous draughts.
7. Has excellent sound-deadening qualities.
8. Vermin-proof.
9. Increases home comfort.



## SIZES

J-M INSULATING BOARD is  $\frac{1}{2}$  inch thick and 4 feet wide, and is shipped in lengths of 8, 9, 10 and 12 feet.

J-M PLASTER LATH is furnished with long edges shiplapped and beveled  $18'' \times 48'' \times \frac{1}{2}''$ , packed 15 lath to the carton.

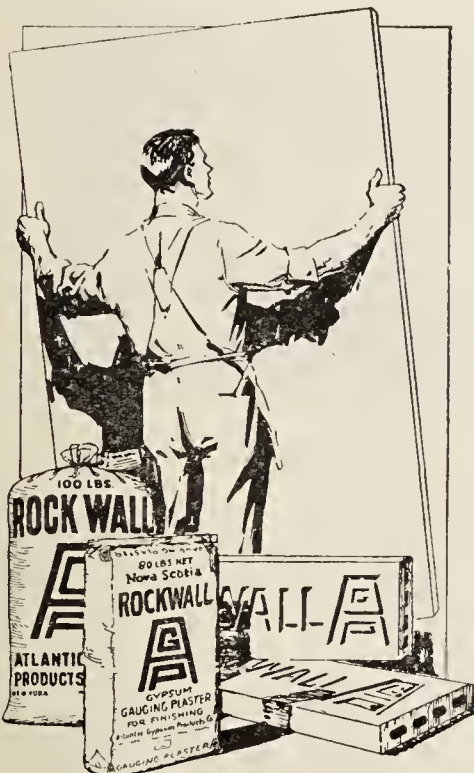
## We Sell Atlantic Gypsum Products

The building materials of the Atlantic Gypsum Products Company—the Rockwall Line—are made right in New England by New Englanders for New England trade. The Portsmouth, N. H. plant of this company is strategically located in the heart of the territory it serves. Shipments are made quickly all over New England.

At the Portsmouth plant the most modern equipment converts the finest Nova Scotia Gypsum into high grade building materials. Products of recognized excellence combined with prompt service make the Rockwall Line New England's favorite.

“All The Wall Rockwall” is a building specification that will save you money, and we can prove it. Use Rockwall on your next job.

*Prices on application.*



All prices quoted in this catalogue subject to change without notice.



**SAMPSON MOUNTED GRINDSTONE**

No. 1—Stone 28 to 30 inch diameter. Price.....\$10.25

No. 2—Stone 24 inch.....\$8.75

**BUSH HOOK**

Price \$1.75



**CHAMPION ROOT CUTTER**

Will cut one bushel of roots per minute.

Price \$16.00

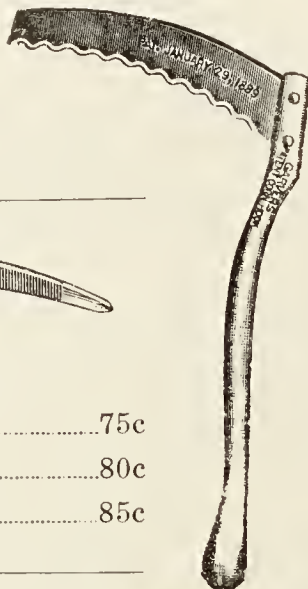


**MATTOCKS**

Short Cutter .....80c  
Long Cutter .....85c

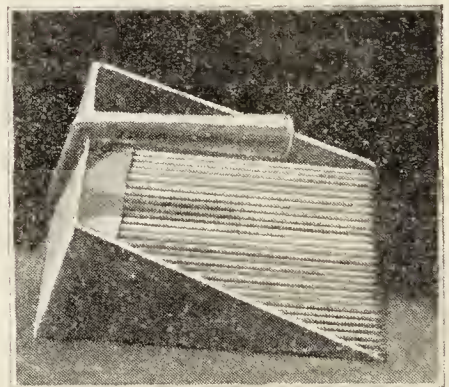
**CORN HOOK**

Price 60c



**PICK AXE**

5 lb. ....75c  
6 lb. ....80c  
7 lb. ....85c



**BLUEBERRY RAKE**

20 Point .....\$2.00  
24 Point .....2.40  
26 Point .....2.60  
30 Point .....3.00  
36 Point .....3.40  
40 Point .....3.75



**SHEEP SHEARS**

True Vermonter — Price \$1.50

*The following is a partial list of merchandise we carry in stock. If the article you want is not listed kindly write us. Prices and descriptions gladly furnished. Call or write R. B. Dunning & Co., Bangor, Me.*

Axes	Brushes, Stove	Chimney Tile	Egg Cartons
Axes, Single Bit	Brushes, Window	Chisels, Grafting	Egg Testers
Axes, Double Bit	Brushes, Floor	Chisels, Cold	Egg Preservative
Axes, Hunting	Brushes, Roof	Chopping Bowls	Eggs, Nest
Axes, Boys' Handled	Brushes, Scrub	Churns	Egg Scales
Axes, Ice	Brushes, Sink	Churn Repairs	Electrical Supplies
Axe Stones	Brushes, Milk Bottle	Cider Mills	Engines, Gasoline
Apple Pickers	Brushes, Separator	Cleaner, Wyandotte	Excelsior
Apple Parers	Brushes, Wire	Cleavers	Extinguishers
Axle Grease	Brushes, Can	Clothes Reels	Expansion Joints
Axe Handles	Brass Bright	Clothes Drying Bars	
Augers, Post Hole	Brush Poles	Cloths, Drying Irons	Fanning Mills
Anti Cow Kickers	Buckets, Covered	Clothes Hampers	Faucets, Wood
Alcohol, Denatured	Buckets, Well	Clothes Horses	Feed Cookers
Asbestos Paper	Buckets, Lunch	Clothes Pins	Feed Cutters
Asbestos Board	Bull Leaders	Clothes Sticks	Fence Posts
Asbestos Pipe Covering	Bull Rings	Clothes Lines	Fence Staples
Asbestos Packing	Bell Nose Punches	Coal Hods	Fence Stretchers
	Bull Snaps	Cyanogas	Fence Tools
B-K Disinfectant	Bush Hooks	Condition Powders	Fencing, Lawn and Field
Babcock Testers	Butter Boxes	Coolers, Ice Water	Fencing, Snow
Test Bottles	Butter Color	Corn Planters, horse	Fertilizers
Bag Balm	Butter Dishes	and hand	Fertilizer Sowers
Bale Ties	Butter Ladles	Corn Poppers	Files
Barbed Wire	Butter Molds	Corn Shellers	File Handles
Barn Door Fixtures	Butter Paper	Corrosive Sublimate	Fire Brick
Barrel Covers	Butter Spats	Cotton Mops	Fire Clay
Barrel Headers	Butter Tubs	Cotton Waste	Fire Place Throats
Barrel Heads	Butter Workers	Cow Bells	Flit
Barrows, Garden	Butter Cartons	Cow Ties	Flour Sieves
Barrows, Contractors	Buttons, Stock Ear	Crates, Delivery	Flower Bed Guards
Baskets, Oak		Crates, Poultry Shipping	Flue Lining
Baskets, Oxford	Calcium Chloride	Crates, Milk Bottle	Fly Killers
in ¼, ½, ¾, 1, 1½, 2 Bu.	Calf Feeders	Cultivators	Fly Sprays
Baskets, Galvanized	Calf Weaners	Cultivator Handles	Fly Oil
Baskets, Berry	Cans, Ash	Cultivator Teeth	Fly Ribbons
Baskets, Clothes	Cans, Jacket	Culverts	Food Choppers
Baskets, Wood	Cans, Deep Setting Cream	Cupolas	Forks, Hay
Baskets, Lunch, Covered	Cans, Garbage	Cups, Sanitary Drinking	Forks, Manure
Baskets, Market	Cans, Milk	Crow Bars	Forks, Horse
Baskets, Pack	Cans, Oil		Formaldehyde
Baskets, Wire, Dipping	Cans, Oily Waste	Dahlia Stakes	Freezers
Batteries	Cans, Square Syrup	Diarrhoea Remedy	Fruit Jars
Bee Keepers' Supplies	Can Openers	Diggers, Potato, Horse	Fruit Jar Rubbers
Belting	Cant Dogs	Diggers, Potato, Hand	Fruit Jar Openers
Blocks, Hay Fork	Cant Dog Stocks	Diggers, Post Hole	Fruit Jar Lifters
Blocks, Tackle	Caponizing Sets	Dish Mops	Fruit Presses
Boilers, Steam	Cards, Cattle	Dog Food	Fuse Plugs
Boilers, Heating	Cel-o-Glass	Drain Tile	
Bowls, Wood	Cement, Portland	Drag Heads	Garbage Cans
Bowls, Watering	Cement, Asbestos	Drain Pipe Solvent	Garden Sets
Boxes, Mail, R.F. D.	Cement, Iron	Dry Measures	Glass, Window
Bread Boards	Cement Hardener	Dusters, Powder	Glass Cloth
Bread Mixers	Cement Tools	Dynamite	Gloves, Cotton
Brooms	Chain, Mall Link	Dust Pans	Glue
Brushes, Paint	Chain, Steel Link	Edgers, Turf	Grafting Chisels
Brushes, White Wash	Charcoal	Egg Beaters	Grafting Wax
Brushes, Kalsomine	Chemical Closets	Egg Cases	Grindstones
Brushes, Horse	Closet Chemical	Egg Case Fillers	Grindstone Fixtures
Brushes, Counter	Chick Boxes	Egg Carriers	Hair Plastering

Halter Chains	Litter Carriers	Pumps, Wood	Sinks
Hammers, Nail	Lice Killers	Pumps, Electric	Snaths
Hammers, Striking	Lime, Agricultural	Pumps, Iron	Sod Lifters
Hammers, Stone	Lime, Hydrated	Pumps, Chain	Soda, Ash
Handles, Axe	Lime, Lump	Pumps, Molasses	Solter
Handles, Pick Axe		Pumps, Spray	Soot Destroyers
Handles, Plow	Mattocks	Punches	Sowers, Seed
Handles, Hay Fork	Mauls	Putty	Sowers, Lime
Handles, Manure	Measures	Preserving Boilers	Sowers, Fertilizer
Handles, Spading	Meat Choppers	Preserving Boiler Racks	Sponges
Handles, Hoe	Milk Cans		Spoons, Wood
Handles, Shovel	Milk Bottles	Rakes, Hay	Sprayers
Handles, Ice Hook	Milk Bottle Caps	Rakes, Horse	Sprinklers
Harrows and Teeth	Milk Bottle Carriers	Rakes, Garden	Stantions
Haying Tools	Milk Bottle Fillers	Rakes, Cranberry	Stalls
Harness Hooks	Milk Strainers	Rakes, Blueberry	Steels, Butcher
Hay Knives	Milk Strainer Disks	Rake Teeth	Steel Wool
Heatilators	Milk Testers	Rat Traps	Stock Food
Hoes, Horse	Milk Coolers	Rat Poison	Stock Labels
Hoes, Hand	Milk Fever Outfits	Refrigerators	Stoneware
Hoes, Wheel	Milking Tubes	Road Machine Blades	Stoves, Oil
Hog Rings	Molds, Butter	Road Machine Bolts	Stove Lining
Hog Wringers	Mops	Rolling Pins	Sulphur
Hog Scrapers	Mop Sticks	Roofing	Sulphate Iron
Hooks, Grass	Moss, Peat	Rope	Sulphate Ammonia
Hooks, Ladder	Motors, Electric	Rope Hitches	Sweeping Compound
Hooks, Ice	Mixers, Cement	Root Cutters	
Hooks, Pulp		Rubbish Burners	Teat Dilators
Hooks, Bush	Nails		Tea Kettles
Horse Cards	Nitrate Soda	Sap Spouts	Tedders
Horse Rakes	Nitragin	Saws, Buck	Test Bottles
Hose, Garden		Saws, Butcher	Thermometers
Hose Repairs	O'Cedar Polish	Saw Blades	Tie Chains
Hose Reels	O'Cedar Mops	Saw Frames	Tobacco Dust
Hot Caps	Oils	Saw Mandrills	Towel Rolls
	Oilers	Saw Jointers	Traps, Rat
Ice Chisels	Oil Cans	Saw Sets	Traps, Mouse
Ice Cream Dishers	Ox Balls	Saw Stretchers	Tree Tags
Ice Picks	Ox Muzzles	Saw Horses	Trowels, Garden
Ice Plows	Oyster Shell	Saws, Circular	Trowels, Mason
Ice Saws		Saws, Ice	Trucks
Ice Tongs	Padlocks	Saws, Pruning	Tubs, Galvanized
Insecticides	Paints and	Saws, Slide and Table	Tubs, Wood
Ironing Tables	Paper Hangers' Tools	Saws, Tip Table	Turf Edgers
	and Supplies	Scales, Platform	Twine Binder
Jars, Meat	Pads, Sweat	Scale Beams	Twine, Wool
Jelly Tumblers	Pads, Strainer	Scales, Family	Twine, Cotton
Kamp Kooks	Pails, Galvanized	Scales, Milk	
Kegs	Pails, Wood	Scales, Meat	Vitriol
Kettles, Tea	Paper, Butter	Scales, Ice	Vises
Knife Grinders	Paper, Mulching	Scoops, Tin	
Knife Sharpeners	Paper, Tarred	Scoops, Aluminum	Wagons, Boys
Knife, Asparagus	Paper, Sand	Scoops, Brass	Wall Board
Knife, Butcher	Paper, Wrapping	Scrapers, Road	Washboards
Knife, Boning	Paper, Asbestos	Scrapers, Stable	Wash Benches
Knife, Chopping	Parowax	Scrapers, Meat Block	Wash Boilers
Knife, Corn	Patching Plaster	Screen, Gravel	Washing Machines
Knife, Paring	Pick Axes	Scythes, Grass	Water Bottles
Knife, Pruning	Pipe	Scythes, Bush	Water Coolers
	Pipe Fittings	Scythe Rifles	Water Glass
Ladders	Plant Stakes	Scythe Stones	Wax, Floor
Ladders, Step	Planters, Corn	Sections	Weeders
Ladder Hooks	Planters, Potato	Section Rivets	Weed Killers
Ladder Locks	Plaster, Land	Separators	Wedges, Axe
Lamp Burners	Plaster, Calcined	Sewer Pipe	Wedges, Saw
Lamp Chimneys	Plaster, Pulp	Shears, Grass	Wedges, Truckee
Lamp Wicks	Plaster Gypsum	Shears, Hedge	Well Buckets
Lamps, Electric	Pliers	Shears, Pruning	Wheel Hoes
Land Rollers	Plows, Walking	Shears, Sheep	Wicks
Lanterns	Plows, Sulky	Shears, Paper Hangers'	Wicking
Lantern Globes	Plows, Ice	Shellac	Window Screening, Wire
Lawn Mowers	Plow Bolts	Shingles	Window Boxes
Lawn Rollers	Plow Handles	Shovels	Wine Presses
Lawn Settees	Plumbing Supplies	Sieves, Flour	Worm Powder
Lawn Swings	Poles, Bamboo	Sifters, Ash	Wrapping Paper
Lawn Trimmer	Poles, Window Brush	Sleds, Hand	Wrenches
Lawn Sprinklers	Potato Diggers	Sleighs, Baby	Wringers
Leg Bands	Pruners	Smoked Salt	Window Glass, all sizes

SILVER · GLASS · PORCELAIN · BRASS



**ONE**  
**CLEANER-POLISH**  
**FOR YOUR NICE THINGS**

# SAVOGRAN CLEANER-POLISH

Reg. U.S. Pat. Off.

## One for All!

Put a can of Savogran Cleaner-Polish on your cleaning shelf and you've got—in ONE product and at ONE low cost—a cleaner for your silverware, for brass, nickel and all metals, for porcelain and tile, and for windows and mirrors.

For Savogran Cleaner-Polish quickly brightens them **all**—without hard rubbing. It's the only cleaner-polish you need in your home.

**SAFE!** You can use Savogran Cleaner-Polish for your finest silverware with complete confidence. It is absolutely safe—contains no acids, no caustics and won't scratch. Non-inflammable—can't burn or explode. Nothing in it to injure your hands. In fact, women say their hands feel softer after using Savogran Cleaner-Polish.

**QUICK!** Ever try a liquid polish for your silver? It's so much faster and easier. A light rub or two with Savogran Cleaner-Polish and your silver shines with a bright "new-looking" luster your friends and guests will admire.

Savogran Cleaner-Polish makes quick work of polishing harder metals, too. Use it on your copper water tank and brass pipes, nickel, aluminum, chromium, pewter and all metals. Saves time and effort.

## HOW EASY!

### WINDOWS and Mirrors

Quickly gives windows and mirrors a bright, spot-resisting shine. Makes table glassware sparkle, too.



### PORCELAIN

Cleans and polishes your refrigerator, bathtub, bowl, tile, etc. Does not scratch and leaves a bright, sanitary surface.



For Your  
**SILVER**



# CLEANER-POLISH

Pat. Applied For

## LEAVES NO POLISH SMELL!

People tell us they like to use Savogran Cleaner-Polish because it has no odor. As a matter of fact, it has a clean, pleasant odor, but this is so slight that you probably won't notice it even when using it. Savogran Cleaner-Polish leaves no tell-tale "polish smell" in the room or on the article cleaned.

Clean to use, too—contains no coloring matter to stain hands or surface. You'll enjoy using it.

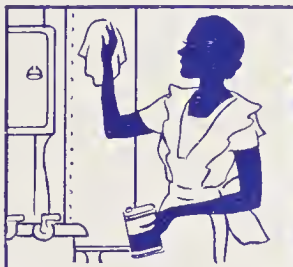
**ALWAYS FRESH!** When you buy Savogran Cleaner-Polish, it is a dry powder. It can't settle, harden or deteriorate before you get it.

Just fill the can with water and shake—you've got a **fresh** liquid cleaner-polish, with all its strength, ready to help lighten your housework.

**ECONOMICAL!** When you buy polish, why pay for water? You don't when you get Savogran Cleaner-Polish because you pay for the powder only and add the water yourself. And a little goes a long way.

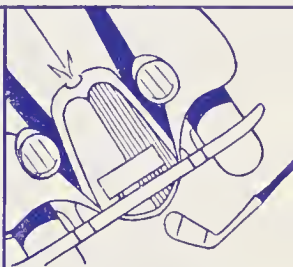
Inexpensive, too—pint size only 35c, quart 60c, gallon \$1.25. Compare Savogran Cleaner-Polish with single-purpose products for price and results and you'll agree it's a bargain. Get a can today!

*Finest*  
**V E R**



### METALS

Brass, nickel, bronze, copper, pewter, aluminum, chromium, etc.—if it's metal, Savogran Cleaner-Polish makes it gleam!



### OTHER USES

Automobile windows, windshields, headlights, bumpers—boats, bicycles, golf clubs, glassware, etc.—hundreds of handy uses!

# HOW BRIGHT!

# SAVOGRAN

Reg. U.S. Pat. Off.

# CLEANER-POLISH

Pat. Applied For



## JUST ADD WATER

To make Savogran Cleaner-Polish ready for use (first time only), just add water until the can is almost full and shake thoroughly. (Most of this water will be absorbed by the powder.) Then add more water to completely fill the can and shake again.

To use Savogran Cleaner-Polish, shake well, apply with a clean, soft cloth and wipe off with a dry cloth. It can be wiped off while wet or allowed to dry on the surface before removing, as you prefer. (For best results on windows and mirrors, wipe off after it has dried.) A soft brush is handy when cleaning engraved pieces.

*Made by the makers of Painters' Savogran, the heavy duty cleaner that saves hard work, Savogran Crack Filler, the patented plastic repair material that will not shrink and Savogran Remover & Bleacher, the triple action floor renewer.*

**THE SAVOGRAN COMPANY**

India Wharf

Boston, Mass.

**R. B. DUNNING & CO.**

54 Broad Street  
**BANGOR, MAINE**



# De Laval Cream Separators



De Laval Separators have always been famous for their clean skimming, long wear and easy turning, and enjoy a reputation never equalled by any other make. We recommend De Laval Separators because we know they are the best and because there is a size and style for every need and purse.

*De Laval Golden Series*—The De Laval Golden Series are the world's best cream separators. They have the famous De Laval "floating" bowl, fully protected ball bearings and automatic lubrication. They are finished in beautiful and durable gold and black lacquer colors. Hand or power drive. Five sizes.

*De Laval Sterling Series*—The De Laval Sterling Series Separators are exactly like the Golden Series except for a few non-essential features. They likewise have the famous De Laval "floating" bowl and fully enclosed ball bearings. They are finished in a beautiful glossy durable black. They are sold for hand or power drive and may be had in four sizes.

*De Laval Junior Series*—The De Laval Junior Series is the world's best line of low priced separators. Smaller sizes are sold with or without stands. The No. 5 may be equipped with electric motor drive; other sizes for hand operation only. Five sizes. Finished in royal blue.

*De Laval Electro Series*—The De Laval Electro Series are the first all-electric cream separators. Ball bearings are enclosed in the spindle itself. The machine requires oiling but once or twice a year. Supply can is but waist high. These separators are finished in durable gold and black lacquer colors. Three sizes.

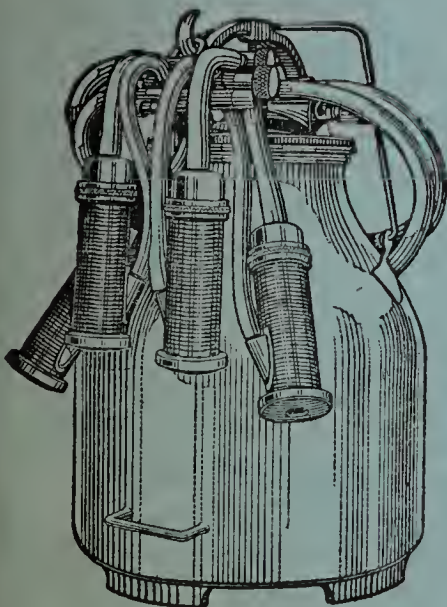
## De Laval Milkers

### THE MAGNETIC

The De Laval Magnetic Milker is called by thousands of dairymen the world's best method of milking cows. It is the only milker with magnetic pulsation control—simple and uniform in action, reliable and dependable in operation. It milks fast and clean, can be operated by anyone regardless of age or experience, is easy to wash and keep clean and produces cleaner milk. Many of the world's highest producing cows are milked with De Laval Magnetics, and the De Laval Magnetic Milker is used by leading dairymen including all dairy herds owned by the U. S. Government Department of Agriculture. Outfits can be had for one to 1000 or more cows for operation by gas engine or electric motor.

### THE UTILITY

The De Laval Utility Milker is the best milker of its kind and is ideal for the small dairyman or for those to whom low price is an essential consideration. Thousands of Utility Milkers are already in use, giving splendid satisfaction. Supplied with single or double units. Units may be had separately for use on single pipe line installations of other makes for the purpose of providing better milking.



Pipe and Pipe Fittings  
Sewer Pipe, Fire Clay, Fire Brick  
Chimney Tile—Flue Lining  
Rockwall Plaster  
Finishing Lime  
Roofing



Electrical Supplies and Radios  
Plumbing—Steam Fitting  
Heating Supplies  
Atlas Portland Cement  
Masury Paints  
Spraying Lime      Calcine Plaster  
High Temperature and  
Asbestos Cement